

=> b reg
 FILE 'REGISTRY' ENTERED AT 10:18:45 ON 26 SEP 2005
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1 ref
102(a) - 2nd Min-Final →

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 25 SEP 2005 HIGHEST RN 863878-84-6
 DICTIONARY FILE UPDATES: 25 SEP 2005 HIGHEST RN 863878-84-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

 *
 * The CA roles and document type information have been removed from *
 * the IDE default display format and the ED field has been added, *
 * effective March 20, 2005. A new display format, IDERL, is now *
 * available and contains the CA role and document type information. *
 *

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d que sta l9

L6 STR
 7
 G2 CH-G3 G3-C-G3 Ak@13 Cy@14
 @8 9 10 @11 12
 N-G1-C-C-N---C
 1 2 3 4 5 6

VAR G1=CH2/8/11

VAR G2=O/S

VAR G3=13/14

NODE ATTRIBUTES:

CONNECT IS M1 RC AT 1
 CONNECT IS M2 RC AT 5
 CONNECT IS M1 RC AT 6
 CONNECT IS M1 RC AT 13
 CONNECT IS M1 RC AT 14
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 14

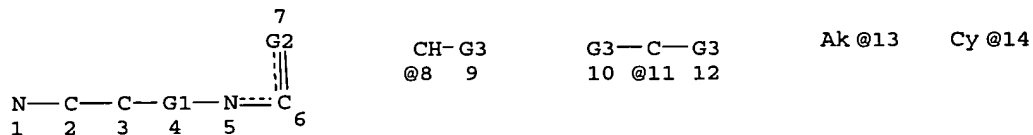
STEREO ATTRIBUTES: NONE

L8 63869 SEA FILE=REGISTRY CSS FUL L6

L9 1235 SEA FILE=REGISTRY ABB=ON PLU=ON L8 AND SQL>=6

=> d que sta l13

L10 STR



VAR G1=CH2/8/11

VAR G2=O/S

VAR G3=13/14

NODE ATTRIBUTES:

CONNECT IS M1 RC AT 1

CONNECT IS M1 RC AT 6

CONNECT IS M1 RC AT 13

CONNECT IS M1 RC AT 14

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE

L12 55487 SEA FILE=REGISTRY CSS FUL L10

L13 904 SEA FILE=REGISTRY ABB=ON PLU=ON L12 AND SQL>=9

=> => d ide l5 tot

L5 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN

RN 282531-04-8 REGISTRY

ED Entered STN: 02 Aug 2000

CN L-Norleucinamide, N-[[[(3S)-3-[[[(2S)-2,6-diamino-1-oxohexyl]amino]butyl](1-methylethyl)amino]carbonyl]-L-tyrosyl-L-asparaginy]l-L-phenylalanyl-L-alanyl-L-threonyl- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

MF C49 H78 N12 O11

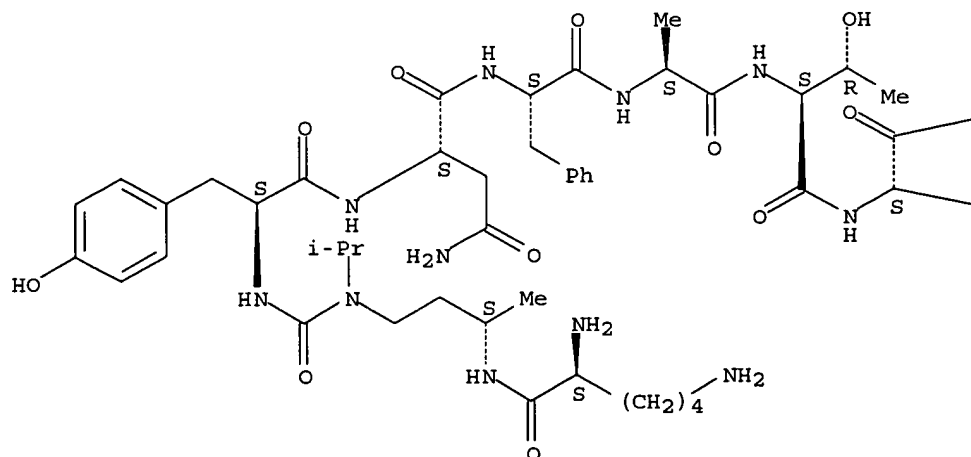
SR CA

LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



Search done by Noble Jarrell

PAGE 1-B

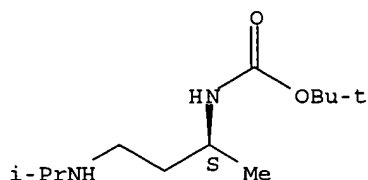
—NH₂

—Bu-n

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 223922-56-3 REGISTRY
 ED Entered STN: 04 Jun 1999
 CN Carbamic acid, [(1S)-1-methyl-3-[(1-methylethyl)amino]propyl]-,
 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C12 H26 N2 O2
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 09:56:12 ON 26 SEP 2005)

FILE 'HCAPLUS' ENTERED AT 09:56:53 ON 26 SEP 2005

L1 9 (US2002-889178# OR FR99-597# OR WO2000-FR53#)/AP, PRN
 L2 1 L1 AND PSEUDOPEPTIDE?/TI

FILE 'REGISTRY' ENTERED AT 09:58:53 ON 26 SEP 2005

FILE 'HCAPLUS' ENTERED AT 09:59:01 ON 26 SEP 2005
 L3 TRA L2 1- RN : 12 TERMS

FILE 'REGISTRY' ENTERED AT 09:59:01 ON 26 SEP 2005

L4 12 SEA L3
 SEL RN 1 5 L4
 L5 2 E1-2 AND L4
 L6 STR
 L7 50 L6 CSS

Search done by Noble Jarrell

L8 63869 L6 CSS' FULL
 L9 1235 L8 AND SQL>=6
 L10 STR L6
 L11 50 L10 CSS
 L12 55487 L10 CSS FULL
 L13 904 L12 AND SQL>=9

FILE 'HCAPLUS' ENTERED AT 10:19:01 ON 26 SEP 2005

L14 1107 L9,L13
 E BRIAND J/AU
 L15 165 E3,E5
 E BRIAND JEAN/AU
 L16 196 E3,E9
 E BRIAND JEANPAUL/AU
 E SEMETHEY V/AU
 L17 26 E4
 E LIMAL D/AU
 L18 25 E3-4
 E BIOMER/CS, PA
 E BIOMERIEUX/CS, PA
 L19 389 BIOMERIEUX/CS, PA
 E BIO MERIEUX/CS, PA
 L20 185 BIO MERIEUX/CS, PA
 L21 3 L14 AND L15-20
 L22 1104 L14 NOT L21
 L23 QUE PY<1999 OR PRY<1999 OR AY<1999
 L24 814 L22 AND L23

FILE 'HCAOLD' ENTERED AT 10:22:30 ON 26 SEP 2005

L25 67 L9,L13

FILE 'HCAOLD' ENTERED AT 10:23:51 ON 26 SEP 2005

SEL HIT RN L25

FILE 'REGISTRY' ENTERED AT 10:23:57 ON 26 SEP 2005

L26 66 E1-71

FILE 'HCAOLD' ENTERED AT 10:24:19 ON 26 SEP 2005

L27 2 L25 AND P/DT
 SEL HIT RN

FILE 'REGISTRY' ENTERED AT 10:24:51 ON 26 SEP 2005

L28 4 E72-75

FILE 'HCAPLUS' ENTERED AT 10:26:04 ON 26 SEP 2005

L29 164 L24 AND P/DT
 E PEPTIDES, PREPARATION/CT
 L30 26158 PEPTIDES, PREPARATION/CT
 E ANRIBODIES/CT
 E ANTIBODIES/CT
 E E3+ALL
 E E2+ALL
 L31 QUE "ANTIBODIES AND IMMUNOGLOBULINS"+OLD,NT/CT
 E ANTIGENS/CT
 E E3+ALL
 L32 QUE ANTIGENS+NT/CT
 L33 82 L24 AND L30
 L34 3 L33 AND L31-32
 L35 23 L24 AND L31-32
 L36 2 L5
 L37 2 L36 AND L15-20
 L38 3 L21,L37
 L39 23 L34,L35
 SEL HIT RN

FILE 'REGISTRY' ENTERED AT 10:32:42 ON 26 SEP 2005

L40

92 E1-92

=> b hcap

FILE 'HCAPLUS' ENTERED AT 10:32:59 ON 26 SEP 2005

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FILE COVERS 1907 - 26 Sep 2005 VOL 143 ISS 14

FILE LAST UPDATED: 25 Sep 2005 (20050925/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d all fhitseq 138 tot

L38 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2000:493567 HCAPLUS

DN 133:105351

ED Entered STN: 21 Jul 2000

TI Preparation of pseudopeptides for detecting antigens or antibodies

IN Briand, Jean-Paul, Semetey, Vincent, Limal, David

PA Bio Merieux, Fr.

SO PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DT Patent

LA French

IC ICM C07K007-02

CC 34-3 (Amino Acids, Peptides, and Proteins)

Section cross-reference(s): 6, 63

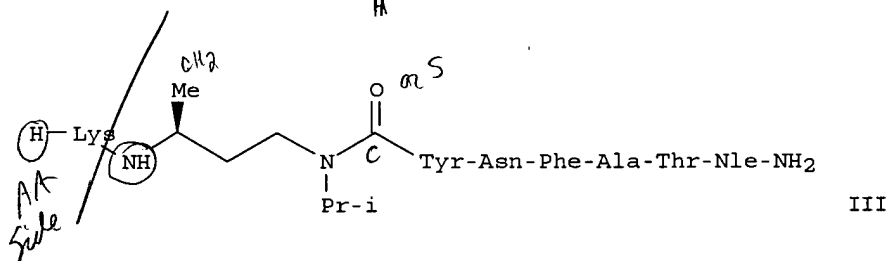
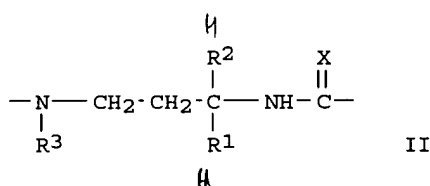
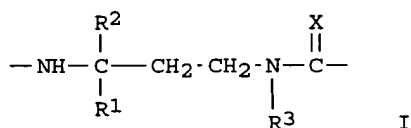
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000042065	A1	20000720	WO 2000-FR53	20000112
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2788527	A1	20000721	FR 1999-597	19990115
EP 1140986	A1	20011010	EP 2000-900564	20000112
EP 1140986	B1	20021211		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AT 229540	E	20021215	AT 2000-900564	20000112
PRAI FR 1999-597	A	19990115		
WO 2000-FR53	W	20000112		

CLASS

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PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2000042065	ICM	C07K007-02
WO 2000042065	ECLA	C07K007/02
FR 2788527	ECLA	C07K007/02
OS MARPAT 133:105351		
GI		



- AB The invention concerns a pseudopeptide of at least 6 amino acids comprising at least a unit selected among the general formulas I and/or II wherein: R1-R3 each independently of one another represent a side-chain of amino acids and can be identical or different; X represents an oxygen or sulfur atom. The invention also concerns its synthesis process, a reagent containing it, a detection kit comprising such a reagent, a method for detecting an antigen or an antibody using said pseudopeptide, and antibody or and anti-idiotypic and finally a therapeutic composition. Thus, pseudopeptide III was prepared for detecting antigens or antibodies (no data).
- ST peptide pseudo prepn detecting antigen antibody; pseudopeptide prepn detecting antigen antibody
- IT Antibodies
- Antigens
- RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
- (preparation of pseudopeptides for detecting antigens or antibodies)
- IT Peptides, preparation
- RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
- (pseudopeptides; preparation of pseudopeptides for detecting antigens or antibodies)
- IT 282531-02-6P 282531-04-8P
- RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
- (preparation of pseudopeptides for detecting antigens or antibodies)
- IT 15761-38-3 35661-39-3
- RL: RCT (Reactant); RACT (Reactant or reagent)
- (preparation of pseudopeptides for detecting antigens or antibodies)

IT 67919-80-6P 193954-23-3P 210533-61-2P 223922-49-4P 223922-53-0P
 223922-56-3P 223922-60-9P 282531-03-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)

(preparation of pseudopeptides for detecting antigens or antibodies)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- ✓(1) Bradshaw, C; J MED CHEM 1994, V37, P1991 HCAPLUS
 (2) Dallaire, C; TETRAHEDRON LETTERS 1998, V39(29), P5129 HCAPLUS
 (3) Limal, D; TETRAHEDRON LETTERS 1999, V40(14), P2749 HCAPLUS
 (4) Nouvet, A; TETRAHEDRON LETTERS 1998, V39(15), P2099 HCAPLUS
 (5) Searle & Co; EP 0126974 A 1984 HCAPLUS
 (6) Talley, J; US 5475013 A 1995 HCAPLUS
 (7) Univ Tulane; WO 9213883 A 1992 HCAPLUS

IT 282531-02-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of pseudopeptides for detecting antigens or antibodies)

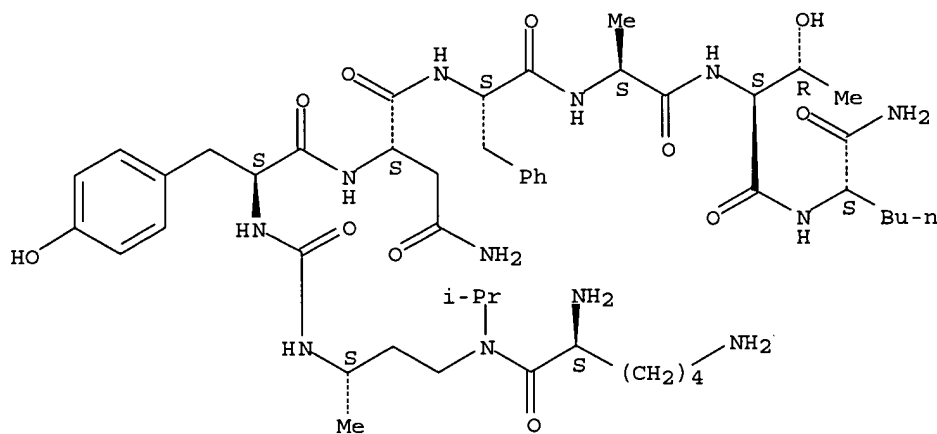
RN 282531-02-6 HCAPLUS

CN L-Norleucinamide, N-[[[(1S)-3-[[[(2S)-2,6-diamino-1-oxohexyl] (1-methylethyl)amino]-1-methylpropyl]amino]carbonyl]-L-tyrosyl-L-asparaginyl-L-phenylalanyl-L-alanyl-L-threonyl- (9CI) (CA INDEX NAME)

NTE modified

SEQ 1 KXYNFATX

Absolute stereochemistry.



L38 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1999:223728 HCAPLUS

DN 130:325384

ED Entered STN: 12 Apr 1999

TI Solid-phase synthesis of N,N'-unsymmetrically substituted ureas: application to the synthesis of carbaza peptides

AU Limal, David; Semetey, Vincent; Dalbon, Pascal; Jolivet, Michel; Briand, Jean-Paul

CS Laboratoire de Chimie Immunologique, U.P.R. 9021 C.N.R.S., Institut de Biologie Moleculaire et Cellulaire, Strasbourg, 67084, Fr.

SO Tetrahedron Letters (1999), 40(14), 2749-2752

CODEN: TELEAY; ISSN: 0040-4039

PB Elsevier Science Ltd.

DT Journal

LA English

Accepted to EEPD

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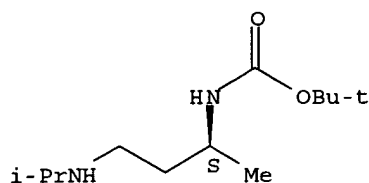
(1/15/99 P.O.)

CC 34-3 (Amino Acids, Peptides, and Proteins)
 OS CASREACT 130:325384
 AB The synthesis of Boc- or Fmoc-mono-protected propylenediamine derivs. is reported starting from N-protected α -amino acids. The introduction of these building blocks on solid support via the formation of a urea moiety leads to a new pseudopeptide family ($\text{C}\alpha\text{-CH}_2\text{-CH}_2\text{-N}\alpha(\text{R})\text{-CO-NH-C}\alpha$). Two carbonylating reagents, i.e. N,N'-carbonyldiimidazole and tri-phosgene, as well as different coupling procedures, have been tested to optimize the Boc and Fmoc solid-phase synthesis of a model peptide incorporating this isosteric replacement.
 ST propylenediamine carbaza pseudopeptide prepn amino acid carbonylation
 IT Peptides, preparation
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (pseudopeptides, carbaza; solid phase synthesis of unsym. substituted ureas and application to synthesis of carbaza peptides)
 IT Carbonylation
 Solid phase synthesis
 (solid phase synthesis of unsym. substituted ureas and application to synthesis of carbaza peptides)
 IT 67919-80-6P 193954-23-3P 210533-61-2P 223922-49-4P 223922-53-0P
 223922-56-3P 223922-60-9P 223922-66-5P 223922-71-2DP
 , solid-supported 223922-76-7DP, solid-supported 223922-90-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reaction in solid phase synthesis of unsym. substituted ureas as carbaza peptides)
 IT 223922-80-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of by solid phase synthesis of unsym. substituted ureas as carbaza peptides)
 IT 223922-85-8
 RL: MSC (Miscellaneous)
 (preparation of carbaza analog of by solid phase synthesis using unsym. substituted ureas)
 IT 102-97-6 15761-38-3 35000-22-7 35661-39-3 223922-33-6D,
 solid-supported
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction in solid phase synthesis of unsym. substituted ureas as carbaza peptides)
 RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
 RE
 (1) Abdel-Magid, A; J Org Chem 1996, V61, P3849 HCAPLUS
 (2) Burgess, K; J Am Chem Soc 1997, V119, P1556 HCAPLUS
 (3) Fehrentz, J; Synthesis 1982, P676
 (4) Gante, J; Synthesis 1989, P405 HCAPLUS
 (5) Hutchins, S; Tetrahedron Lett 1995, V36, P2583 HCAPLUS
 (6) Lemaire-Audoire, S; Tetrahedron Lett 1995, V36, P6109
 (7) Limal, D; J Peptide Res 1998, V52, P121 HCAPLUS
 (8) Limal, D; Tetrahedron Lett 1998, V39, P4239 HCAPLUS
 (9) Majer, P; J Org Chem 1994, V59, P1937 HCAPLUS
 (10) Mendre, C; European J Pharmacol 1990, V186, P213 HCAPLUS
 (11) Nahm, S; Tetrahedron Lett 1981, V22, P3815 HCAPLUS
 (12) Quibell, M; J Chem Soc Perkin Trans I 1993, P2843 HCAPLUS
 (13) Spatola, A; Chemistry and Biochemistry of Amino Acids Peptide and Proteins 1983, V7, P267 HCAPLUS
 (14) Zhang, X; J Org Chem 1997, V62, P6420 HCAPLUS
 IT 223922-56-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reaction in solid phase synthesis of unsym. substituted ureas as carbaza peptides)
 RN 223922-56-3 HCAPLUS
 CN Carbamic acid, [(1S)-1-methyl-3-[(1-methylethyl)amino]propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Search done by Noble Jarrell

Mr. talk
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 least 6
 AAs



L38 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2005 ACS on STN
 AN 1998:355709 HCAPLUS
 DN 129:136469
 ED Entered STN: 12 Jun 1998
 TI Direct synthesis of N -protected β -amino dimethylhydroxamates:
 application to the solid-phase synthesis of a peptide incorporating a new
 amide bond surrogate $\Psi[\text{CH}_2\text{CH}_2\text{NH}]$
 AU Limal, David; Quesnel, Anne; Briand, Jean-Paul
 CS Laboratoire d'Immunochimie des Peptides et des Virus, U.P.R. 9021,
 C.N.R.S., Institut de Biologie Moléculaire et Cellulaire, Strasbourg,
 67084, Fr.
 SO Tetrahedron Letters (1998), 39(24), 4239-4242
 CODEN: TELEAY; ISSN: 0040-4039
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 CC 34-3 (Amino Acids, Peptides, and Proteins)
 AB A rapid and efficient one-step synthesis of β -amino- N,O -
 dimethylhydroxamates, $\text{XNHCH(R)CH}_2\text{CON(Me)OMe}$ [$X = \text{Boc, Fmoc}$; $R = \text{Me, CHMe}_2$,
 $\text{CH}_2\text{Ph, CH(Me)Et, CH}_2\text{CH(Me)}_2, \text{CH(Me)OCH}_2\text{Ph, CH}_2\text{C}_6\text{H}_4\text{OCH}_2\text{Ph-4, CH}_2\text{OCH}_2\text{Ph,}$
 $\text{CH}_2\text{OCMe}_3, (\text{CH}_2)_4\text{NHCO}_2\text{CH}_2\text{C}_6\text{H}_4\text{Cl-2}$], from Boc- or Fmoc-protected amino acid
 starting materials via diazo ketone intermediates is reported. Reduction of
 the above N,O -dimethylhydroxamate gave an Fmoc-protected
 β -aminoaldehyde, which was, then, used in the solid phase synthesis
 of an antigenic peptide. The resulting pseudopeptide contained an
 ethyleneimino bond, $[-\text{CH}_2\text{CH}_2\text{NH}-]$. For example, the peptide
 $\text{Ac-CDFGS}\Psi[\text{CH}_2\text{CH}_2\text{NH}]\text{LARRVA-OH}$ was obtained in 22% yield using the above
 method.
 ST hydroxamate dimethyl beta amino efficient synthesis; pseudopeptide
 antigenic ethyleneimino bond contg synthesis
 IT Amide group
 (amide bond substituted by methyleneimine or ethyleneimino in the
 synthesis of pseudopeptides)
 IT Solid phase synthesis
 (peptide; synthesis of β -amino- N,O -dimethylhydroxamates and their
 incorporation in pseudopeptides)
 IT Peptides, preparation
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (pseudopeptides; synthesis of β -amino- N,O -dimethylhydroxamates and
 their incorporation in pseudopeptides)
 IT Hydroxamic acids
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (β -amino, esters, N,O -dimethyl-; synthesis of β -amino- N,O -
 dimethylhydroxamates and their incorporation in pseudopeptides)
 IT 2130-96-3 13139-15-6 13139-16-7 13734-34-4 13734-41-3
 15260-10-3, Boc-Thr(Bzl)-OH 15761-38-3 23680-31-1 35661-40-6
 54613-99-9 71989-33-8
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (synthesis of β -amino- N,O -dimethylhydroxamates and their
 incorporation in pseudopeptides)
 IT 52716-48-0P 60398-41-6P 67865-71-8P 67919-80-6P 114645-18-0P
 114645-19-1P 172097-41-5P 193148-60-6P 203854-41-5P 210533-59-8P
 210533-60-1P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

(Reactant or reagent)

(synthesis of β -amino-N,O-dimethylhydroxamates and their incorporation in pseudopeptides)

IT 200949-36-6P 210533-61-2P 210533-62-3P 210533-63-4P 210533-64-5P
 210533-65-6P 210533-66-7P 210533-67-8P 210533-68-9P 210533-69-0P
 210533-70-3P 210533-71-4P 210533-72-5P 210533-73-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (synthesis of β -amino-N,O-dimethylhydroxamates and their incorporation in pseudopeptides)

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Apella, D; Nature 1997, V387, P381
- (2) Brown, F; Submitted
- (3) Fehrentz, J; Synthesis 1983, P676 HCAPLUS
- (4) Guibourdenche, C; Helv Chem Acta 1997, V80, P1 HCAPLUS
- (5) Hintermann, T; Chimia 1997, V50, P244
- (6) King, D; Int J Pept Prot Res 1990, V36, P255 HCAPLUS
- (7) Leggio, A; J Chem Soc Perkin Trans I 1997, P1969 HCAPLUS
- (8) Marraud, M; Biopolymers 1996, V40, P45 HCAPLUS
- (9) Moss, S; Chem Ind 1994, P122
- (10) Neimark, J; Peptide Res 1993, V6, P219 HCAPLUS
- (11) Podlech, J; Angew Chem Int Ed Eng 1995, V34, P471 HCAPLUS
- (12) Podlech, J; Liebigs Ann 1995, P1217 HCAPLUS
- (13) Rodriguez, M; Tetrahedron Lett 1990, V31, P5153 HCAPLUS
- (14) Sasaki, Y; Peptides 1987, V8, P119 HCAPLUS
- (15) Seebach, D; Chem Commun 1997, P2015 HCAPLUS
- (16) Seebach, D; Helv Chim Acta 1996, V79, P2043 HCAPLUS
- (17) Seebach, D; Helv Chim Acta 1996, V79, P913 HCAPLUS
- (18) Sone, O; Tetrahedron Lett 1993, V34, P8449
- (19) Spatola, A; Chemistry and Biochemistry of Amino Acids, Peptides, and Proteins 1983, V7, P267 HCAPLUS

IT 210533-73-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (synthesis of β -amino-N,O-dimethylhydroxamates and their incorporation in pseudopeptides)

RN 210533-73-6 HCAPLUS

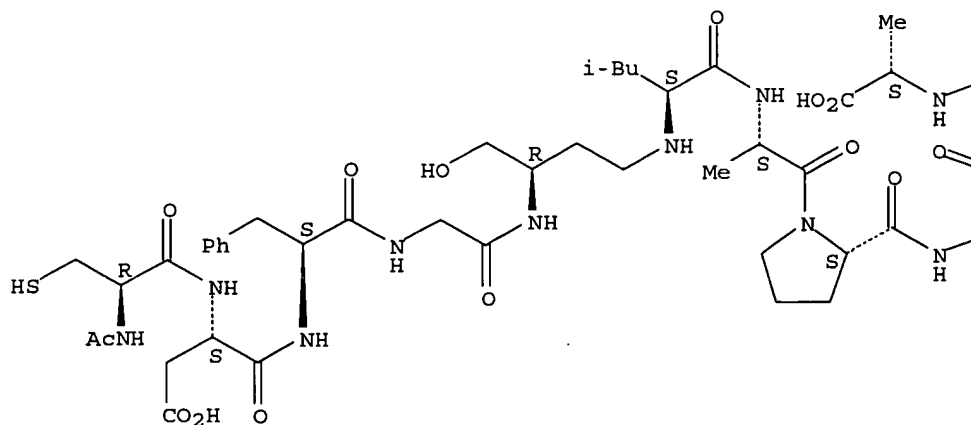
CN L-Alanine, N-[(3R)-3-[(N-acetyl-L-cysteinyl-L- α -aspartyl-L-phenylalanylglycyl)amino]-4-hydroxybutyl]-L-leucyl-L-alanyl-L-prolyl-L-arginyl-L-valyl- (9CI) (CA INDEX NAME)

NTE modified

SEQ 1 CDFGX LAPRV A

Absolute stereochemistry.

PAGE 1-A



Updated Search



APPL

=> d his

(FILE 'HOME' ENTERED AT 09:56:12 ON 26 SEP 2005)

FILE 'HCAPLUS' ENTERED AT 09:56:53 ON 26 SEP 2005

L1 9 (US2002-889178# OR FR99-597# OR WO2000-FR53#)/AP,PRN
L2 1 L1 AND PSEUDOPEPTIDE?/TI

FILE 'REGISTRY' ENTERED AT 09:58:53 ON 26 SEP 2005

FILE 'HCAPLUS' ENTERED AT 09:59:01 ON 26 SEP 2005

L3 TRA L2 1- RN : 12 TERMS

FILE 'REGISTRY' ENTERED AT 09:59:01 ON 26 SEP 2005

L4 12 SEA L3

FILE 'WPIX' ENTERED AT 09:59:05 ON 26 SEP 2005

=> b hcap;d all 12 tot

FILE 'HCAPLUS' ENTERED AT 10:00:06 ON 26 SEP 2005

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FILE COVERS 1907 - 26 Sep 2005 VOL 143 ISS 14

FILE LAST UPDATED: 25 Sep 2005 (20050925/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

L2 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN
AN 2000:493567 HCAPLUS
DN 133:105351
ED Entered STN: 21 Jul 2000
TI Preparation of pseudopeptides for detecting antigens or antibodies
IN Briand, Jean-Paul; Semetey, Vincent; Limal, David
PA Bio-Merieux, Fr.
SO PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DT Patent
LA French
IC ICM C07K007-02
CC 34-3 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 6, 63

FAN.CNT 1

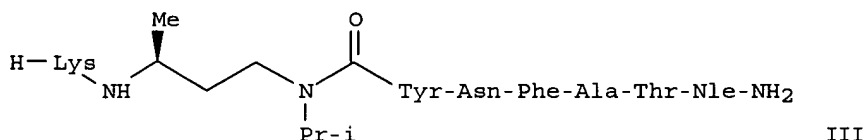
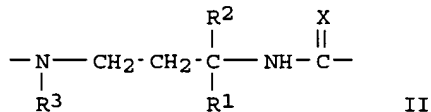
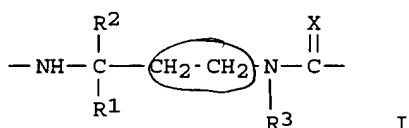
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IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
 MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
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 EP 1140986 A1 20011010 EP 2000-900564 20000112 <--
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CLASS

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WO 2000042065	ICM	C07K007-02
WO 2000042065	ECLA	C07K007/02 <--
FR 2788527	ECLA	C07K007/02 <--
OS MARPAT 133:105351		
GI		



AB The invention concerns a pseudopeptide of at least 6 amino acids comprising at least a unit selected among the general formulas I and/or II wherein: R1-R3 each independently of one another represent a side-chain of amino acids and can be identical or different; X represents an oxygen or sulfur atom. The invention also concerns its synthesis process, a reagent containing it, a detection kit comprising such a reagent, a method for detecting an antigen or an antibody using said pseudopeptide, and antibody or and anti-idiotypic and finally a therapeutic composition. Thus, pseudopeptide III was prepared for detecting antigens or antibodies (no data).

ST peptide pseudo prepn detecting antigen antibody; pseudopeptide prepn detecting antigen antibody

IT Antibodies
 Antigens
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of pseudopeptides for detecting antigens or antibodies)

IT Peptides, preparation
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(pseudopeptides; preparation of pseudopeptides for detecting antigens or antibodies)

IT 282531-02-6P 282531-04-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pseudopeptides for detecting antigens or antibodies)

IT 15761-38-3 35661-39-3
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of pseudopeptides for detecting antigens or antibodies)

IT 67919-80-6P 193954-23-3P 210533-61-2P 223922-49-4P 223922-53-0P 223922-56-3P 223922-60-9P 282531-03-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pseudopeptides for detecting antigens or antibodies)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

- (1) Bradshaw, C; J MED CHEM 1994, V37, P1991 HCAPLUS
- (2) Dallaire, C; TETRAHEDRON LETTERS 1998, V39(29), P5129 HCAPLUS
- (3) Limal, D; TETRAHEDRON LETTERS 1999, V40(14), P2749 HCAPLUS
- (4) Nouvet, A; TETRAHEDRON LETTERS 1998, V39(15), P2099 HCAPLUS
- (5) Searle & Co; EP 0126974 A 1984 HCAPLUS
- (6) Talley, J; US 5475013 A 1995 HCAPLUS
- (7) Univ Tulane; WO 9213883 A 1992 HCAPLUS

=> b reg;d ide 14 tot

FILE 'REGISTRY' ENTERED AT 10:00:13 ON 26 SEP 2005

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STRUCTURE FILE UPDATES: 25 SEP 2005 HIGHEST RN 863878-84-6

DICTIONARY FILE UPDATES: 25 SEP 2005 HIGHEST RN 863878-84-6

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TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

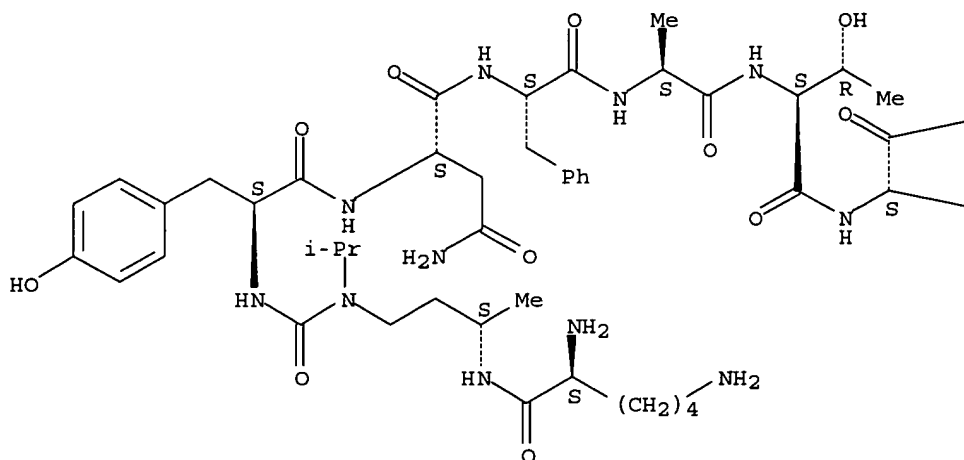
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L4 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 282531-04-8 REGISTRY
 ED Entered STN: 02 Aug 2000
 CN L-Norleucinamide, N-[[[(3S)-3-[[[(2S)-2,6-diamino-1-oxohexyl]amino]butyl]](1-methylethyl)amino]carbonyl]-L-tyrosyl-L-asparaginy-L-phenylalanyl-L-alanyl-L-threonyl- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 MF C49 H78 N12 O11
 SR CA
 LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

—NH₂

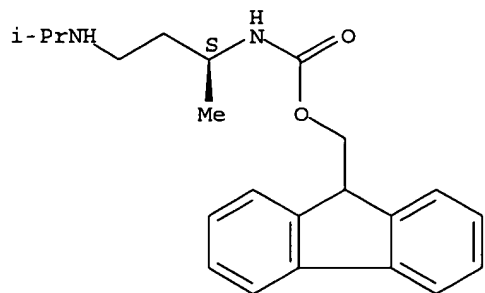
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1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 282531-03-7 REGISTRY
 ED Entered STN: 02 Aug 2000
 CN Carbamic acid, [(1S)-1-methyl-3-[(1-methylethyl)amino]propyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C22 H28 N2 O2
 CI COM
 SR CA
 LC STN Files: CA, CAPLUS

Search done by Noble Jarrell

Absolute stereochemistry.



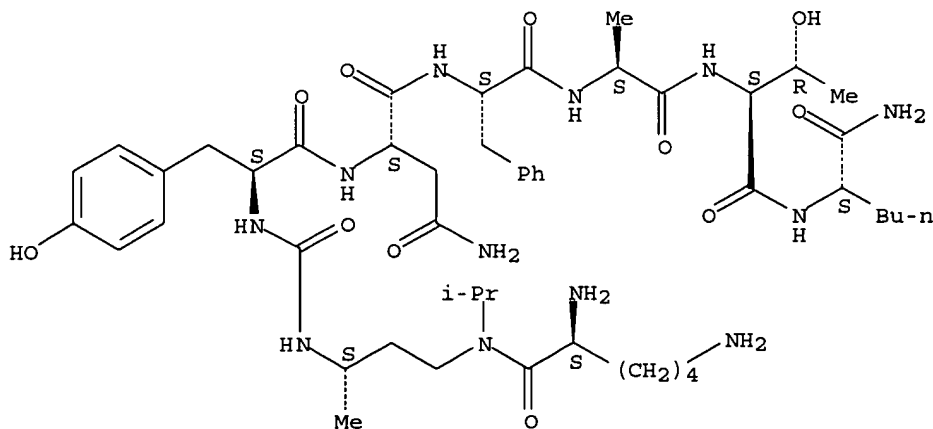
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RN 282531-02-6 REGISTRY
ED Entered STN: 02 Aug 2000
CN L-Norleucinamide, N-[[[(1S)-3-[[[(2S)-2,6-diamino-1-oxohexyl] (1-methylethyl)amino]-1-methylpropyl]amino]carbonyl]-L-tyrosyl-L-asparaginyl-L-phenylalanyl-L-alanyl-L-threonyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
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LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



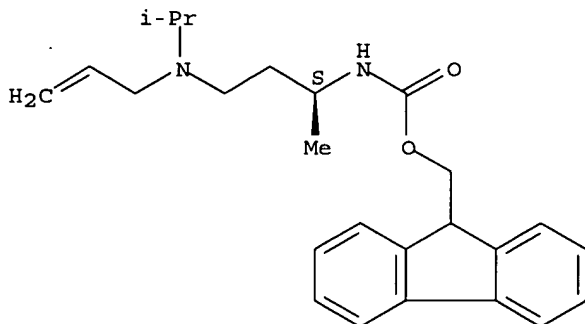
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN 223922-60-9 REGISTRY
ED Entered STN: 04 Jun 1999
CN Carbamic acid, [(1S)-1-methyl-3-[(1-methylethyl)-2-propenylamino]propyl]-,

Search done by Noble Jarrell

9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)
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SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

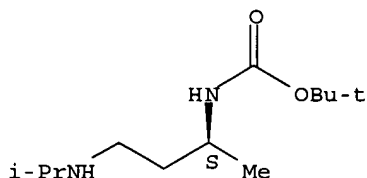


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L4 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN 223922-56-3 REGISTRY
ED Entered STN: 04 Jun 1999
CN Carbamic acid, [(1S)-1-methyl-3-[(1-methylethyl)amino]propyl]-,
1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
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SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

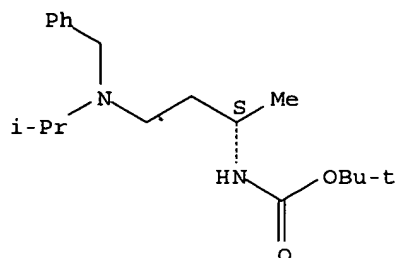


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2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN 223922-53-0 REGISTRY
ED Entered STN: 04 Jun 1999
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1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
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SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

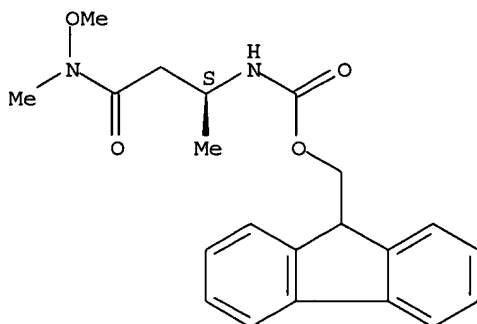


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2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN 223922-49-4 REGISTRY
ED Entered STN: 04 Jun 1999
CN Carbamic acid, [(1S)-3-(methoxymethylamino)-1-methyl-3-oxopropyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)
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SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

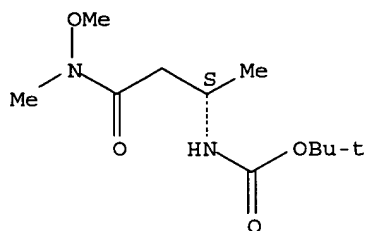


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2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN 210533-61-2 REGISTRY
ED Entered STN: 27 Aug 1998
CN Carbamic acid, [(1S)-3-(methoxymethylamino)-1-methyl-3-oxopropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
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LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

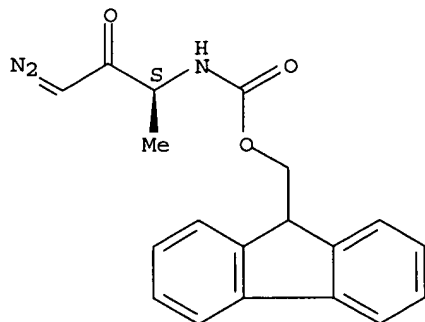


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3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN 193954-23-3 REGISTRY
ED Entered STN: 12 Sep 1997
CN Carbamic acid, [(1S)-3-diazo-1-methyl-2-oxopropyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Carbamic acid, (3-diazo-1-methyl-2-oxopropyl)-, 9H-fluoren-9-ylmethyl ester, (S)-
FS STEREOSEARCH
MF C19 H17 N3 O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry. Rotation (-).

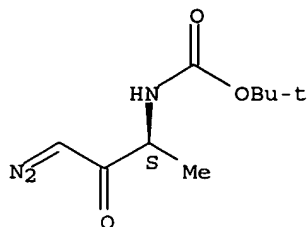


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16 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN 67919-80-6 REGISTRY
ED Entered STN: 16 Nov 1984
CN Carbamic acid, [(1S)-3-diazo-1-methyl-2-oxopropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Carbamic acid, (3-diazo-1-methyl-2-oxopropyl)-, 1,1-dimethylethyl ester, (S)-
FS STEREOSEARCH
MF C9 H15 N3 O3
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry. Rotation (-).

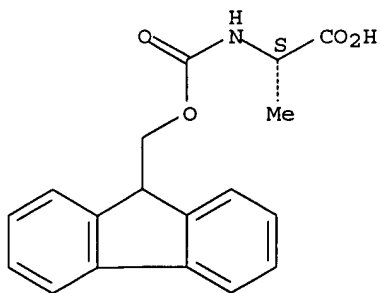


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L4 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
RN 35661-39-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN L-Alanine, N-[(9H-fluoren-9-ylmethoxy)carbonyl]- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN (9-Fluorenylmethoxycarbonyl)-L-alanine
CN (S)-N-Fmoc-alanine
CN FMOC-Alanine
CN FMOC-L-alanine
CN N-(9-Fluorenylmethoxycarbonyl)alanine
CN N-9-Fluorenylmethoxycarbonyl-L-alanine
CN NPC 14688
CN NSC 334296
FS STEREOSEARCH
MF C18 H17 N O4
CI COM
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CHEMINFORMRX, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, MSDS-OHS,
TOXCENTER, USPAT2, USPATFULL
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Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



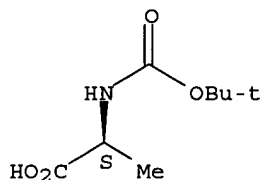
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868 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Search done by Noble Jarrell

L4 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 15761-38-3 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN L-Alanine, N-[(1,1-dimethylethoxy)carbonyl]- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Alanine, N-carboxy-, N-tert-butyl ester, L- (8CI)
 OTHER NAMES:
 CN (2S)-2-[(tert-Butoxycarbonyl)amino]propanoic acid
 CN (S)-2-(N-tert-Butoxycarbonyl)aminopropionic acid
 CN (S)-2-[(tert-butoxycarbonyl)amino]propionic acid
 CN (S)-2-[(tert-Butoxycarbonyl)amino]propionic acid
 CN (tert-Butoxycarbonyl)alanine
 CN (tert-Butyloxycarbonyl)-L-alanine
 CN BOC-L-alanine
 CN N-(tert-Butoxycarbonyl)-(S)-alanine
 CN N-(tert-Butoxycarbonyl)-L-alanine
 CN N-(tert-Butoxycarbonyl)alanine
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 CN N-t-BOC-L-alanine
 CN N-tert-BOC-(S)-alanine
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 DR 90580-61-3, 186665-28-1, 207305-56-4
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 MSDS-OHS, PS, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
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 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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 2669 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d sqide l40 tot

L40 ANSWER 1 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 251639-98-2 REGISTRY
 CN Hexadecanamide, 2,4-bis[(1-oxohexadecyl)amino]butanoyl-L-isoleucyl-L-arginyl-L-isoleucyl-L-glutamyl-L-arginylglycyl-L-prolylglycyl-L-arginyl-L-alanyl-L-phenylalanyl-L-valyl-L-threonyl-L-isoleucylglycyl-L-lysyl-2-amino- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 18
 NTE modified (modifications unspecified)

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SR CA

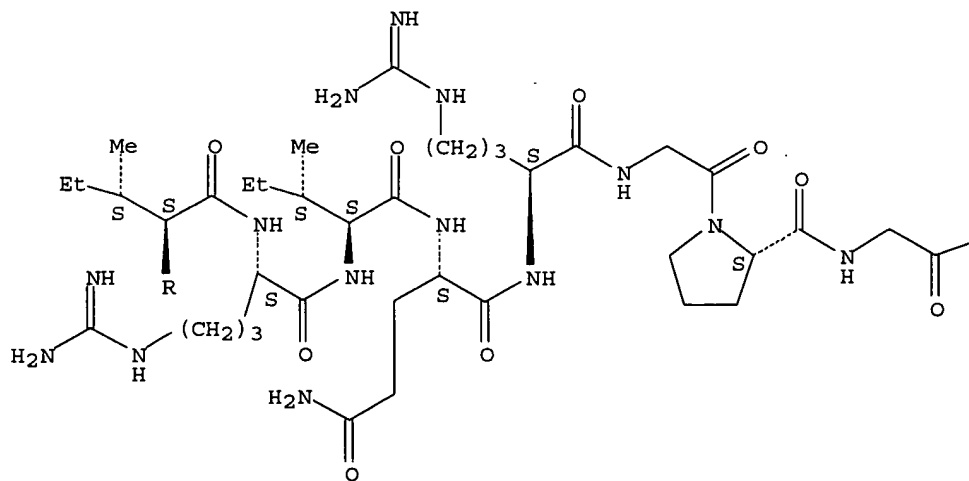
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DT.CA Caplus document type: Patent

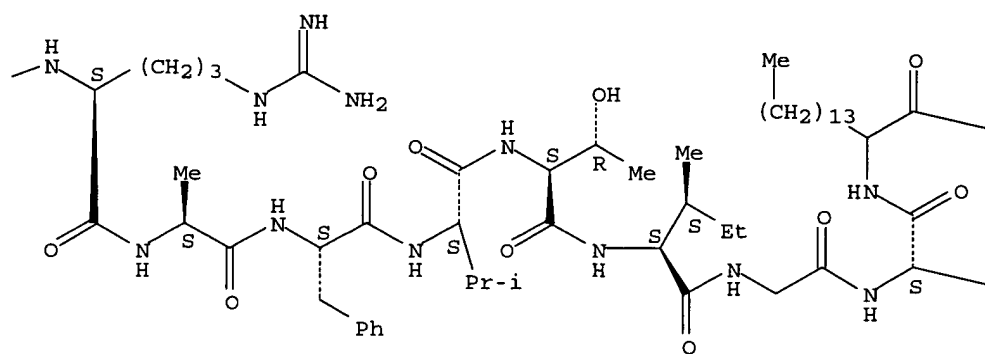
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

Absolute stereochemistry.

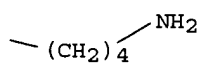
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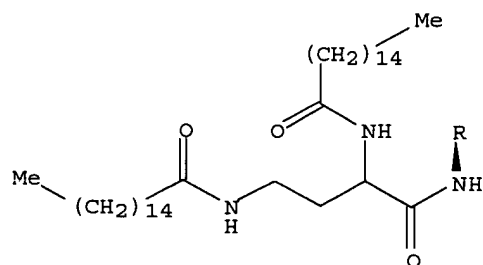
PAGE 1-B



PAGE 1-C



PAGE 2-A



1 REFERENCES IN FILE CA (1907 TO DATE)

Search done by Noble Jarrell

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

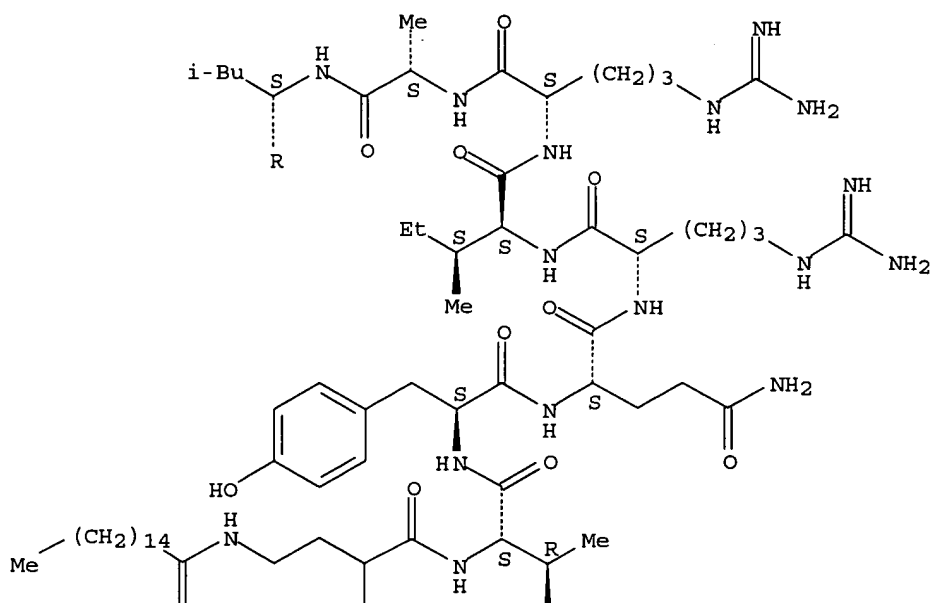
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 RN 251346-41-5 REGISTRY
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 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 12
 NTE modified (modifications unspecified)

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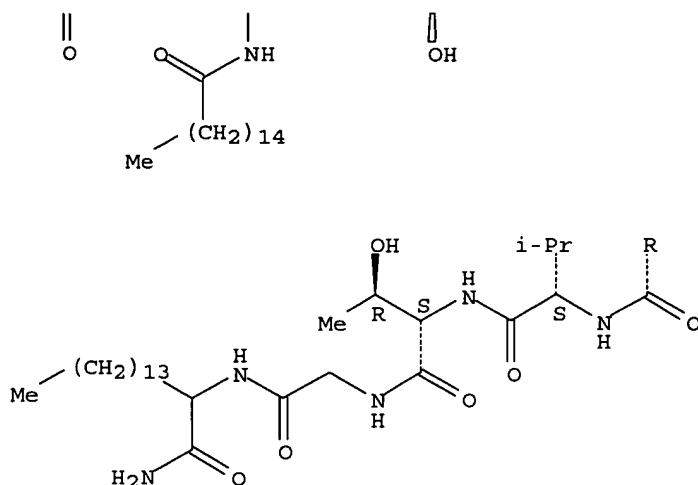
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 MF C108 H196 N22 O19
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
 DT.CA Caplus document type: Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 3 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 219996-22-2 REGISTRY
 CN Vincalurekoblazin-23-oic acid, O4-deacetyl-, 7-amide with
 1-acetyl-L-prolyl-L-seryl-L-seryl-2-cyclohexylglycyl-L-glutamyl-L-seryl-
 N-(3-aminopropyl)-L-valinamide (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 7
 NTE modified (modifications unspecified)

type	location	description
uncommon	Aaa-4	-

SEQ 1 PSSXQSV

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C80 H116 N14 O19

SR CA

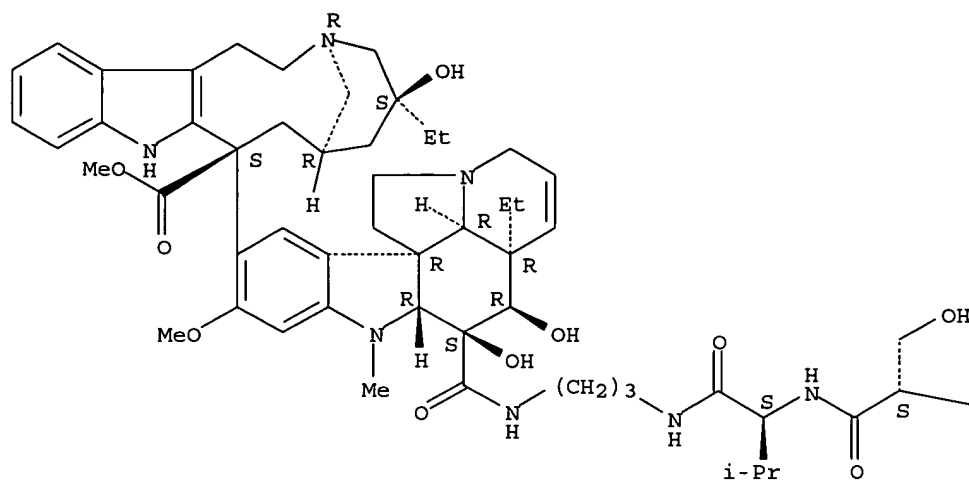
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

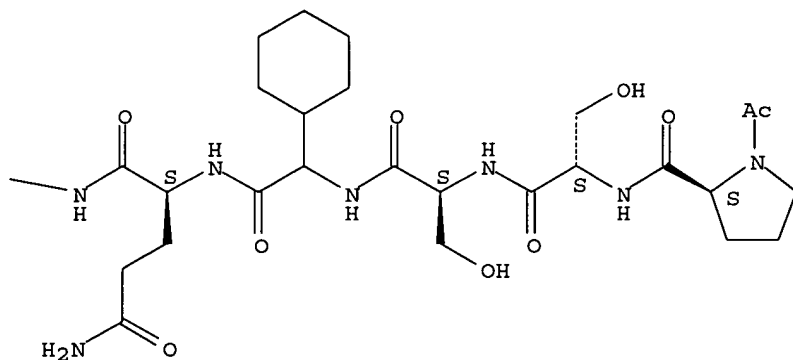
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC
 (Process); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 4 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 219996-21-1 REGISTRY
 CN Vincaloblastin-23-oic acid, O4-deacetyl-, 7-amide with
 N-acetyl-L-seryl-L-seryl-L-seryl-2-cyclohexylglycyl-L-glutaminyl-L-seryl-N-
 (3-aminopropyl)-L-valinamide (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 7
 NTE modified (modifications unspecified)

type	location	description
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Search done by Noble Jarrell

uncommon

Aaa-4

-

-

SEQ 1 SSSXQSV

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C78 H114 N14 O20

SR CA

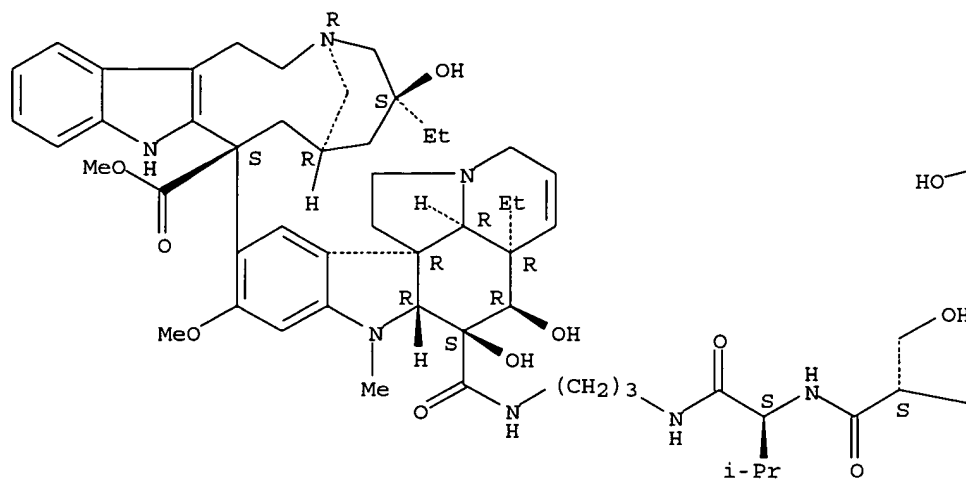
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

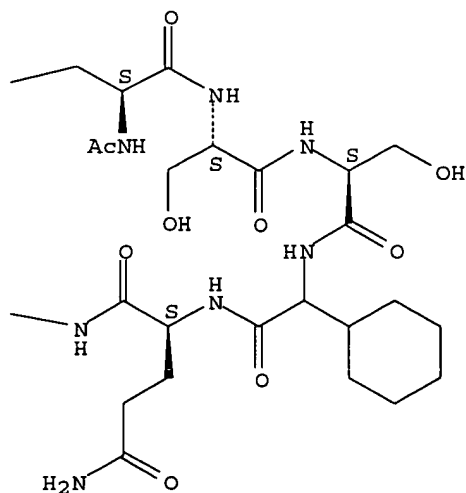
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



Search done by Noble Jarrell

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 5 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-98-0 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[(2S)-2-(6-methoxy-2-naphthalenyl)-1-oxopropyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

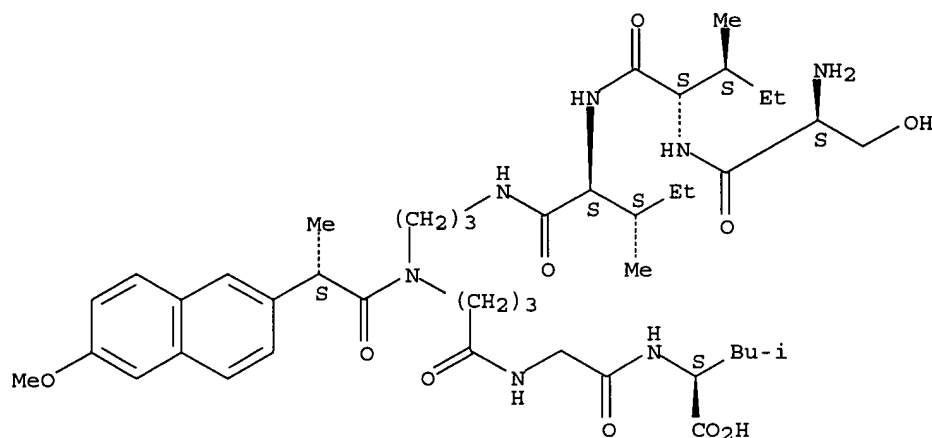
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uncommon	Oaa-5	-	-	

SEQ 1 SIIXXL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA Cplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

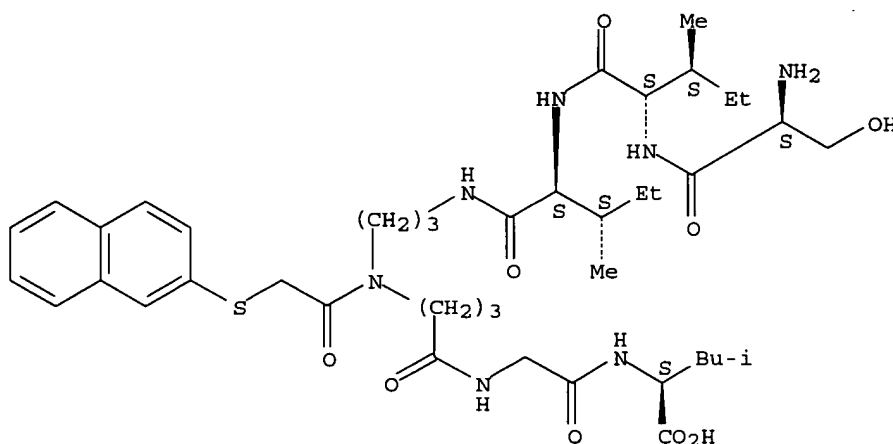
L40 ANSWER 6 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-97-9 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[(2-naphthalenylthio)acetyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location			description
uncommon	Und-4	-	-	
uncommon	Oaa-5	-	-	

****RELATED SEQUENCES AVAILABLE WITH SEOLINK****

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

NTE

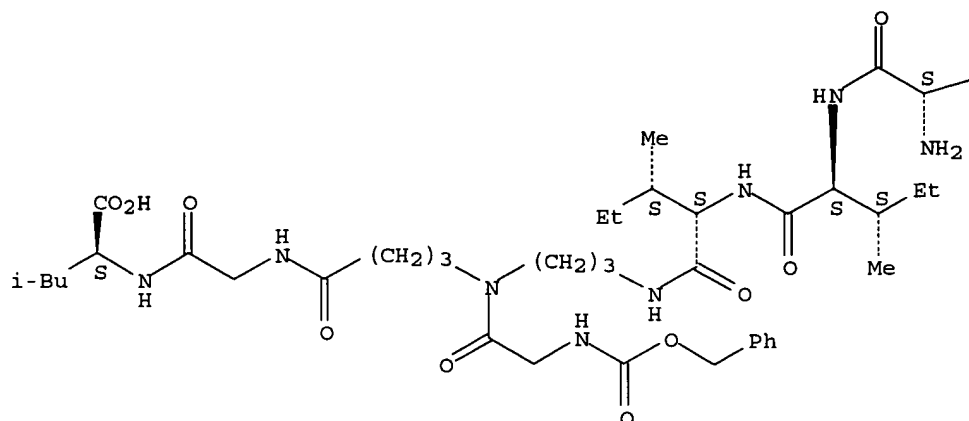
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uncommon	Oaa-5	-	-

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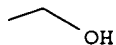
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 8 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 219297-95-7 REGISTRY
 CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[(2-naphthalenyloxy)acetyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 7
 NTE

type	location			description
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uncommon	Oaa-5	-	-	

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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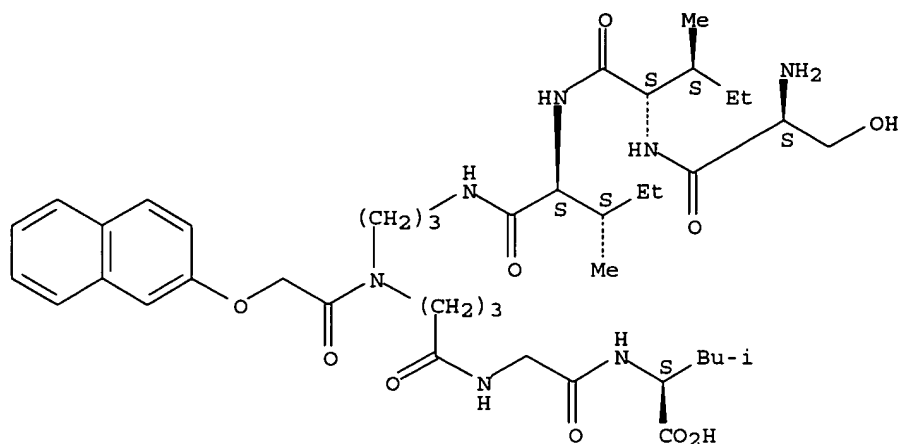
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 9 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-94-6 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl) (4-bromobenzoyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location	description
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uncommon	Oaa-5	-

SEQ 1 SIIXXGL

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

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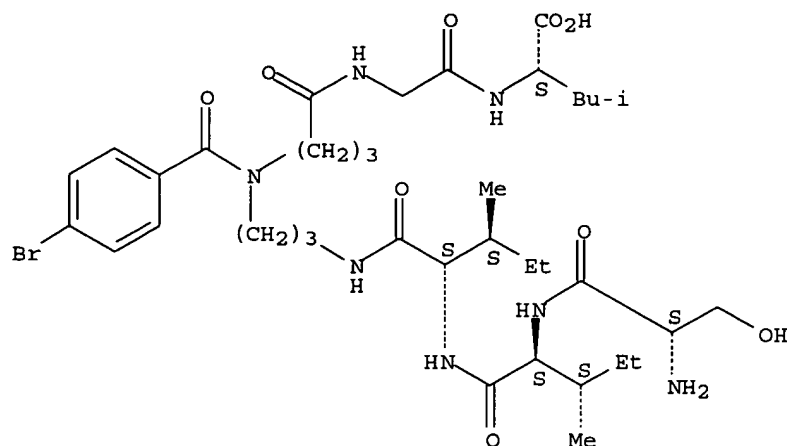
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 10 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 219297-93-5 REGISTRY
 CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)([1,1'-
 biphenyl]-4-ylcarbonyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 7
 NTE

type	location	description
uncommon	Und-4	-
uncommon	Oaa-5	-

SEQ 1 SIIXXGL

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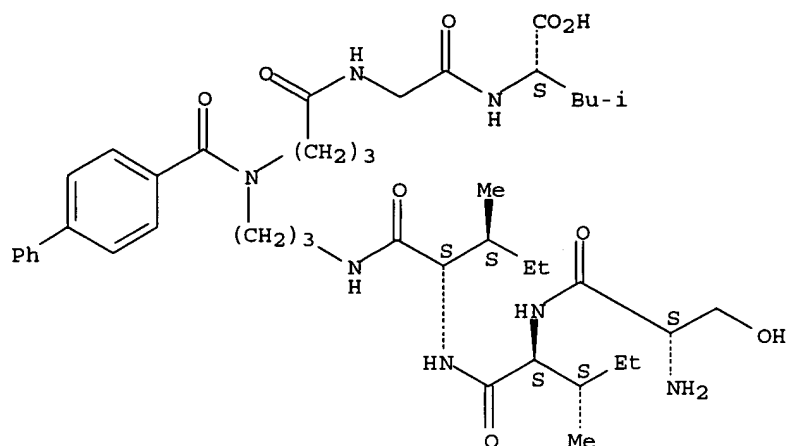
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 11 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-92-4 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(2-naphthalenylacetyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location	description
uncommon	Und-4	-
uncommon	Oaa-5	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C42 H65 N7 O9

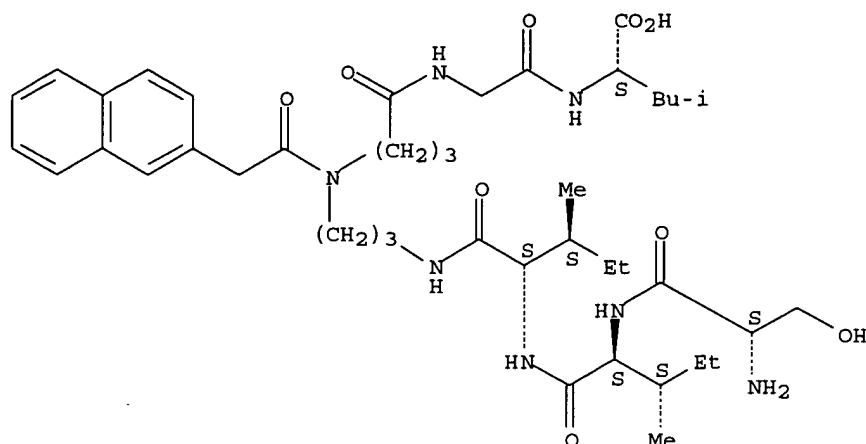
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 12 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 219297-91-3 REGISTRY
 CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(4-fluoro-3-nitrobenzoyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 7
 NTE

type	location	description
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SEQ 1 SIIXXGL

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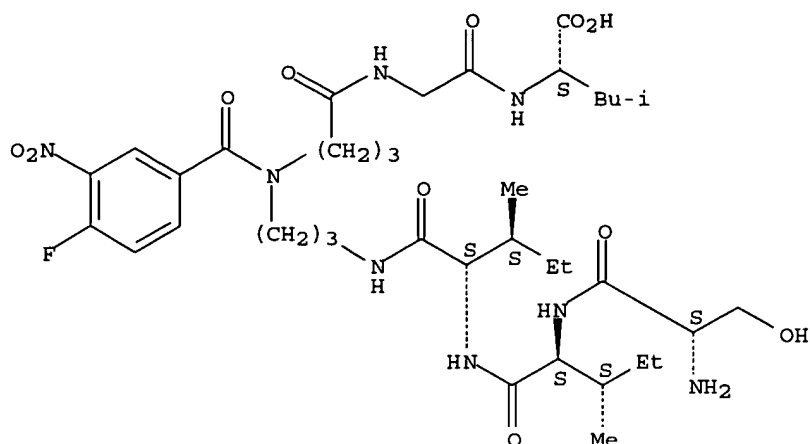
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 13 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-90-2 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[(4-nitrophenyl)acetyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location	description
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uncommon	Oaa-5	-

SEQ 1 SIIXXGL

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

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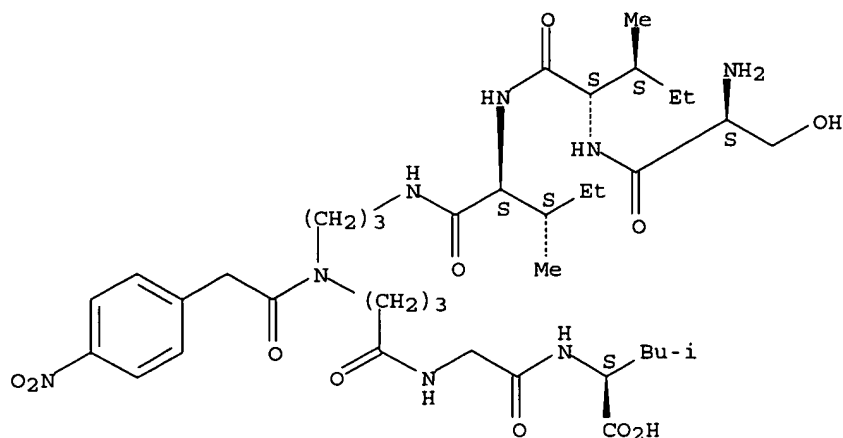
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LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 14 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-89-9 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[[4-(acetylamino)benzoyl] (3-aminopropyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

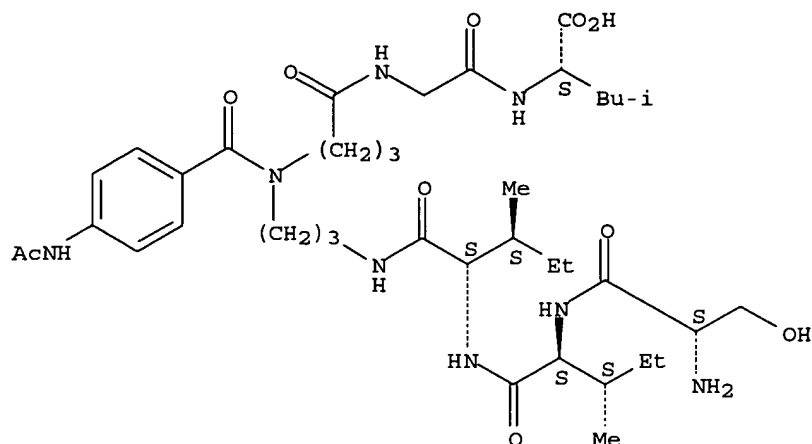
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SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA Cplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 15 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 219297-88-8 REGISTRY
 CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl) [(benzoylamino)acetyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 7
 NTE

type	location	description
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uncommon	Oaa-5	-

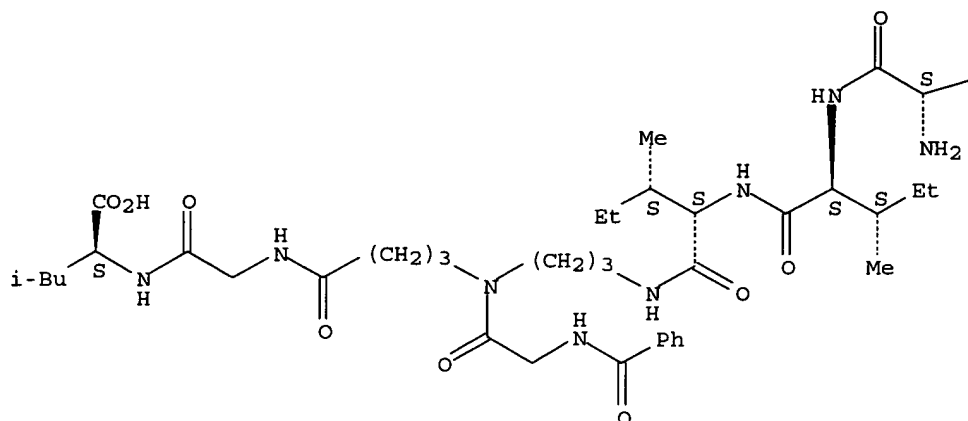
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RELATED SEQUENCES AVAILABLE WITH SEQLINK

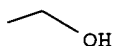
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 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.

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PAGE 1-B



2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 16 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 219297-87-7 REGISTRY
 CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(1H-indol-3-ylacetyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 7
 NTE

type	location	description
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uncommon	Oaa-5	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C40 H64 N8 O9

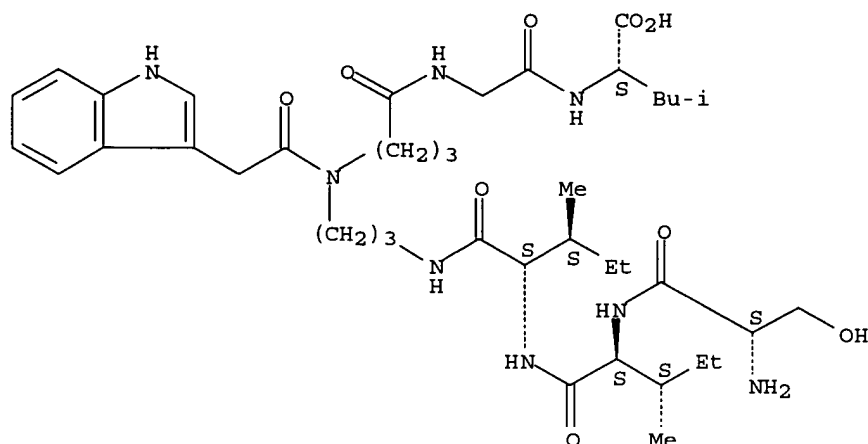
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 17 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 219297-86-6 REGISTRY
 CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(3-quinolinylcarbonyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 7
 NTE

type	location	description
uncommon	Und-4	-
uncommon	Oaa-5	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C40 H62 N8 O9

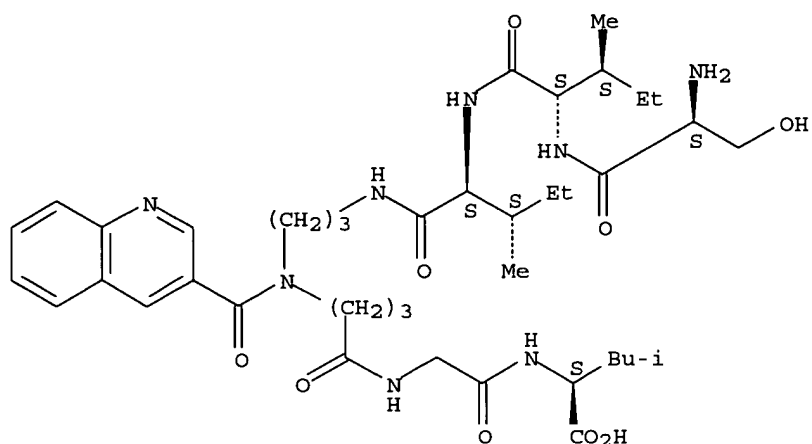
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Cplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 18 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-85-5 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[4-(methylthio)benzoyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location	description
uncommon	Und-4	-
uncommon	Oaa-5	-

SEQ 1 SIIXXGL

***RELATED SEQUENCES AVAILABLE WITH SEQLINK**

MF C38 H63 N7 O9 S

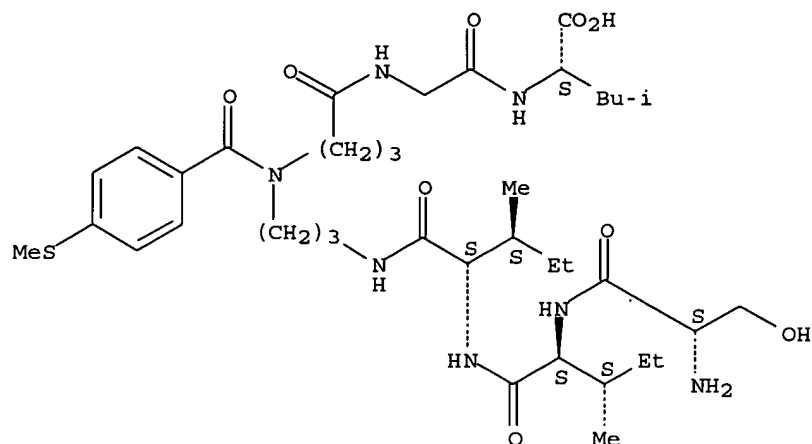
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 19 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-84-4 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(4-nitrobenzoyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location	description
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uncommon	Oaa-5	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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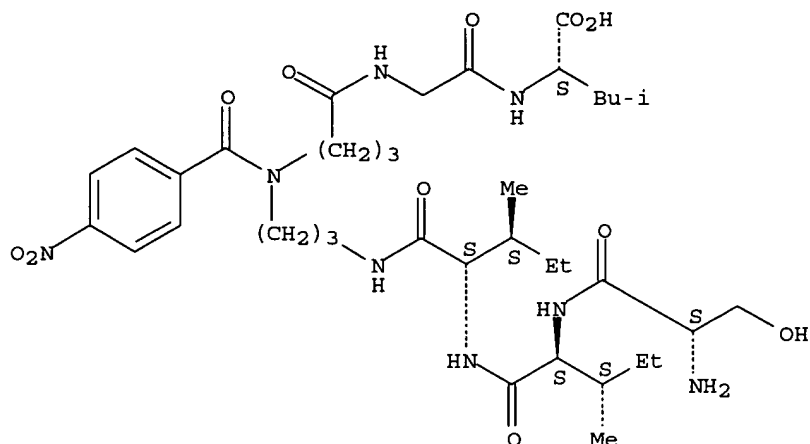
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LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 20 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-83-3 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[(4-methoxyphenyl)acetyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	-----	location	-----	description
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SEQ 1 SIIXXGL

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MF C39 H65 N7 O10

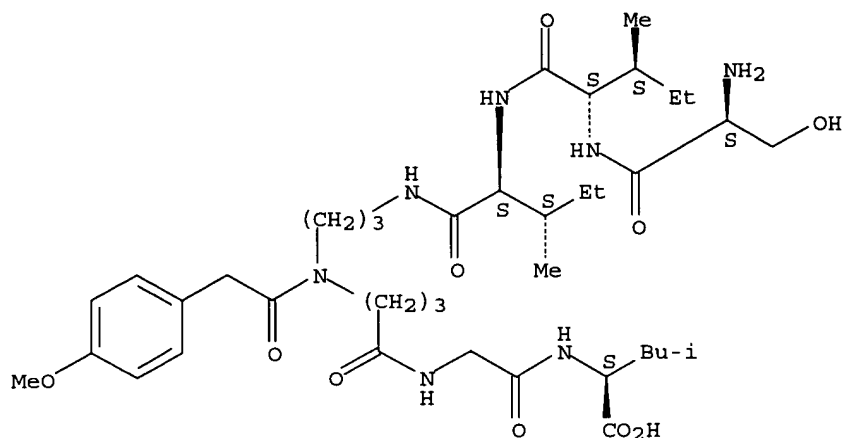
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 21 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-82-2 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(2-benzofuranylcarbonyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

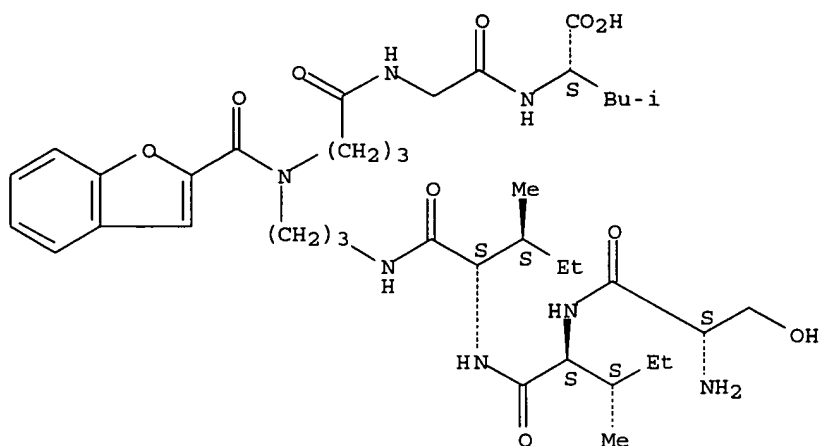
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uncommon	Oaa-5	-

SEQ 1 SIIXXGL

***RELATED SEQUENCES AVAILABLE WITH SEQLINK**

MF C39 H61 N7 O10
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 22 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-81-1 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[(4-fluorophenyl)acetyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location	description
uncommon	Und-4	-
uncommon	Oaa-5	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C38 H62 F N7 O9

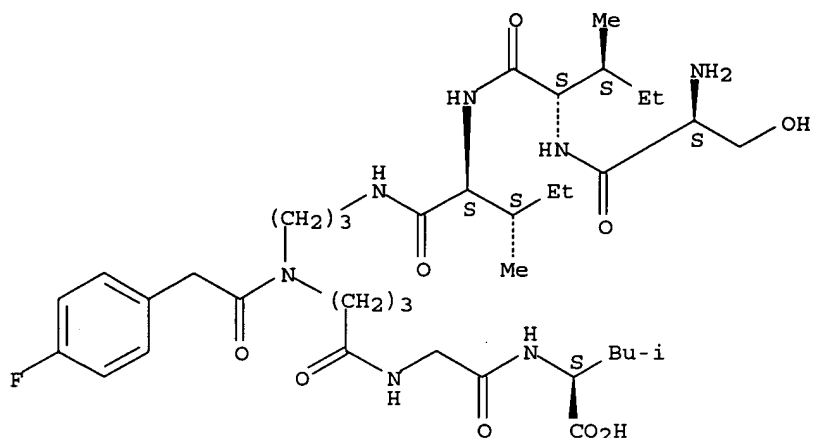
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 23 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-80-0 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)[(4-hydroxyphenyl)acetyl]amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location	description
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uncommon	Oaa-5	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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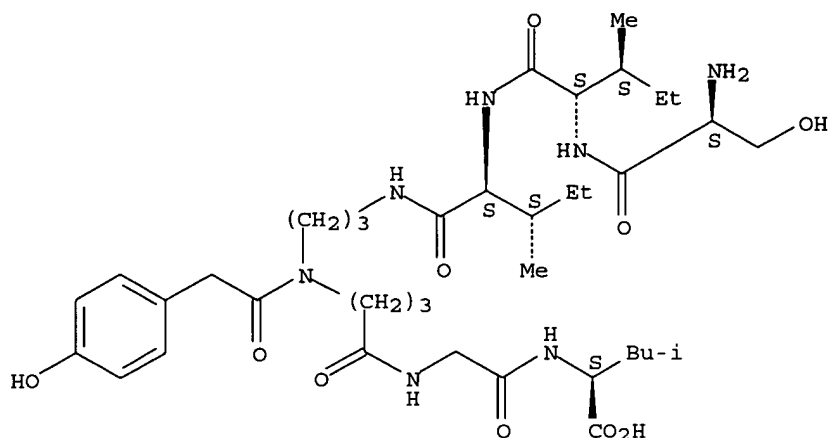
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Cplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 24 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-79-7 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(phenoxyacetyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location	description
uncommon	Und-4	-
uncommon	Oaa-5	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C38 H63 N7 O10

SR CA

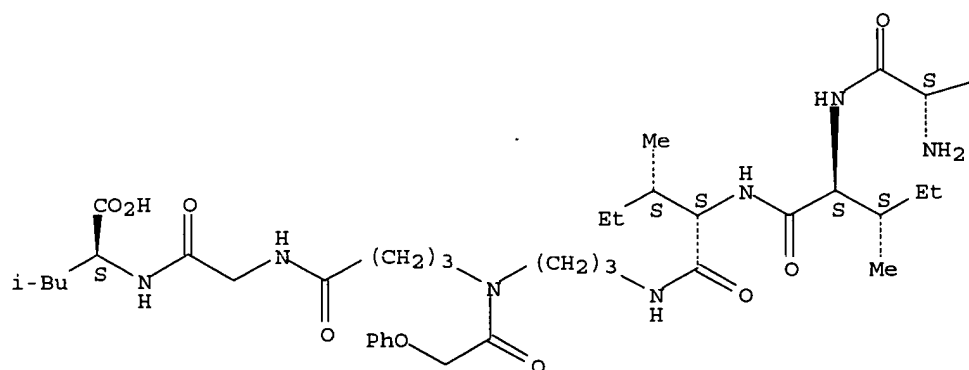
LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

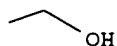
Absolute stereochemistry.

PAGE 1-A



Search done by Noble Jarrell

PAGE 1-B



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 25 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-78-6 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(2-pyridinylacetyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location			description
uncommon	Und-4	-	-	
uncommon	Oaa-5	-	-	

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C37 H62 N8 O9

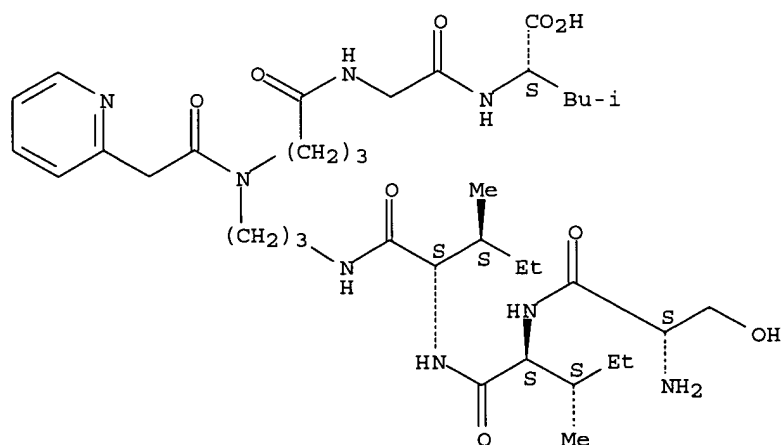
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 26 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-77-5 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(2-thienylcarbonyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH

Search done by Noble Jarrell

SQL 7
NTE

type	location			description
uncommon	Und-4	-	-	
uncommon	Oaa-5	-	-	

SEQ 1 SIIXXGL

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

MF C35 H59 N7 O9 S

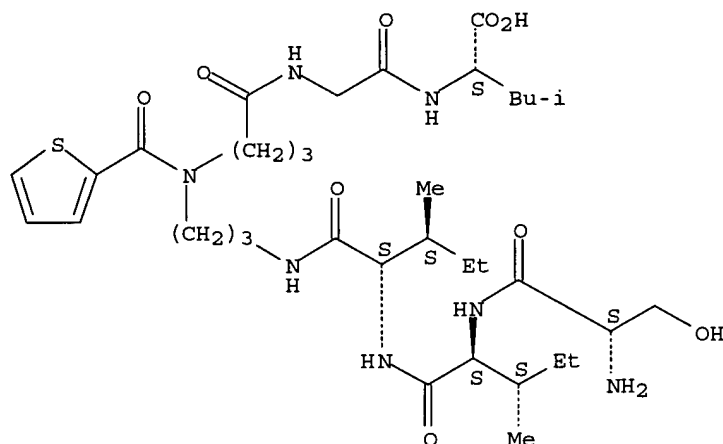
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 27 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN

RN 219297-76-4 REGISTRY

CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(pyrazinylcarbonyl)amino]butanoyl-glycyl- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 7

NTE

type	location			description
uncommon	Und-4	-	-	
uncommon	Oaa-5	-	-	

SEQ 1 SIIXXGL

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

MF C35 H59 N9 O9

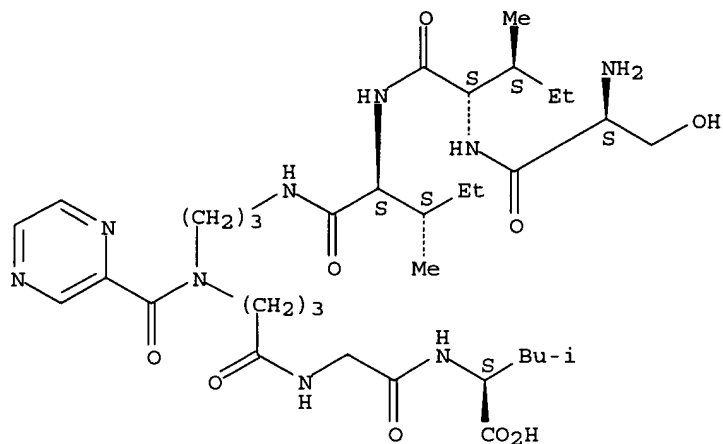
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 28 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-75-3 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(3-pyridinylcarbonyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location	description
uncommon	Und-4	-
uncommon	Oaa-5	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C36 H60 N8 O9

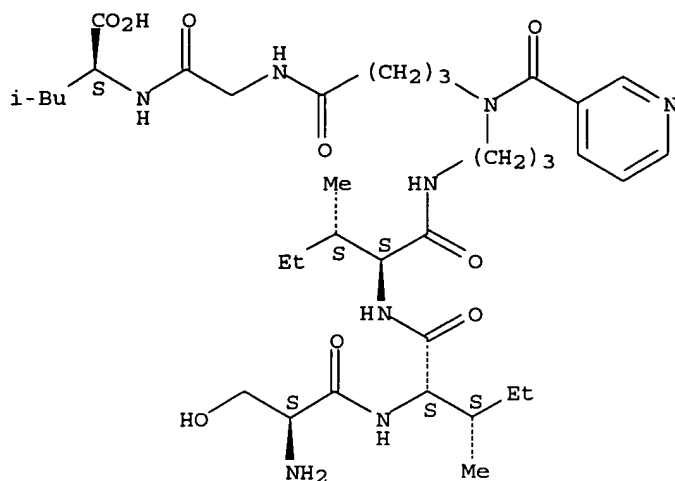
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 29 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-74-2 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl) (2-furanylcarbonyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location			description
uncommon	Und-4	-	-	
uncommon	Oaa-5	-	-	

SEQ 1 SIIXXGL

***RELATED SEQUENCES AVAILABLE WITH SEQLINK**

MF C35 H59 N7 O10

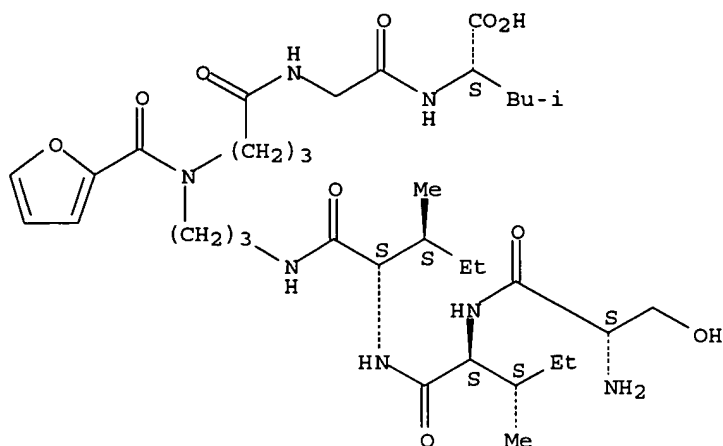
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study)

Absolute stereochemistry.



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 30 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-69-5 REGISTRY
CN L-Leucine, N-(phenylacetyl)-N-[3-[(L-seryl-L-isoleucyl-L-isoleucyl)amino]propyl]glycyl-4-aminobutanoyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE modified (modifications unspecified)

type	location		description
uncommon	Bal-4	-	-
uncommon	Oaa-6	-	-
modification	Bal-4	-	undetermined modification
modification	Gly-5	-	undetermined modification

SEQ 1 SIIXGXL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C38 H63 N7 O9

SR CA

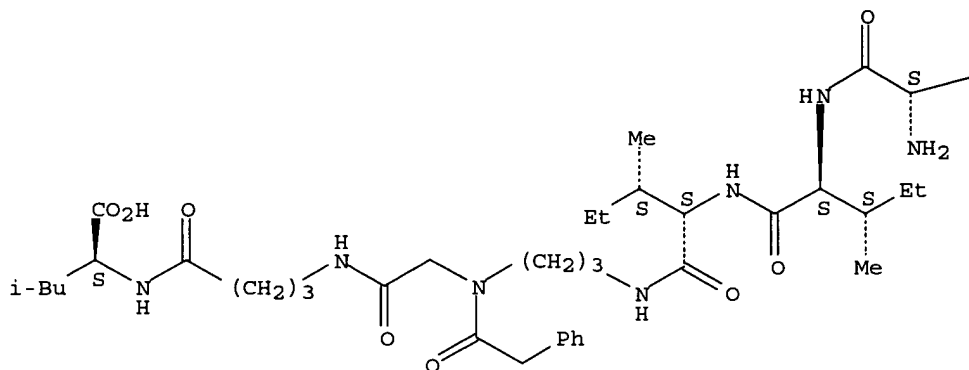
LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Journal

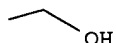
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

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1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 31 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 219297-68-4 REGISTRY
 CN L-Leucine, N-benzoyl-N-[3-[(L-seryl-L-isoleucyl-L-isoleucyl)amino]propyl]glycyl-4-aminobutanoyl- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 7
 NTE modified (modifications unspecified)

type	location		description
uncommon	Bal-4	-	-
uncommon	Oaa-6	-	-
modification	Bal-4	-	undetermined modification
modification	Gly-5	-	benzoyl<Bz>

SEQ 1 SIIIXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C37 H61 N7 O9

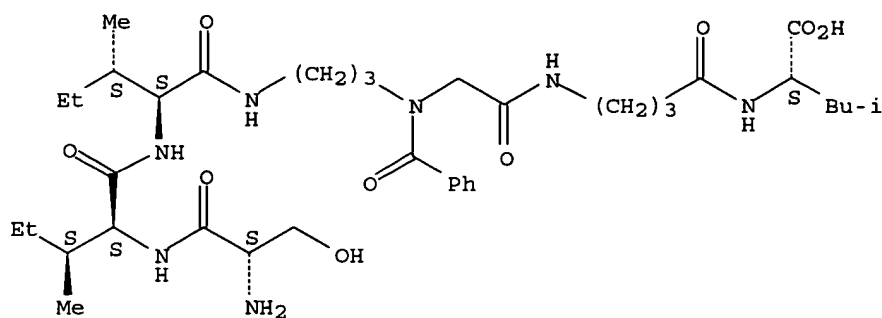
SR CA

LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 32 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-67-3 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)(phenylacetyl)amino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location	description
uncommon	Und-4	-
uncommon	Oaa-5	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C38 H63 N7 O9

SR CA

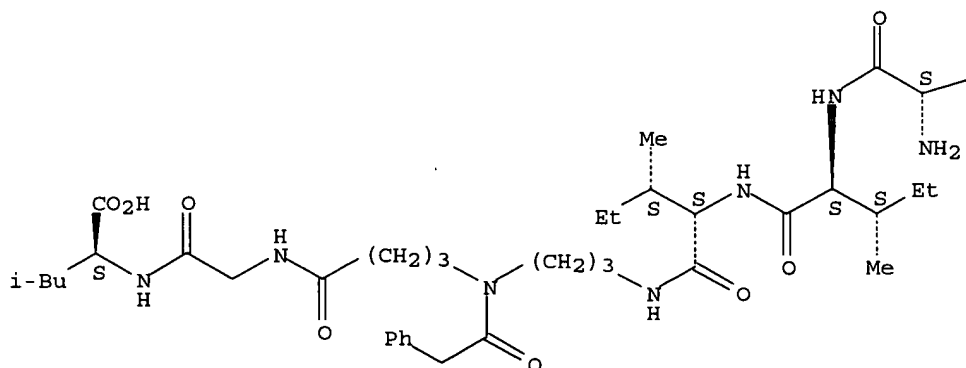
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DT.CA Caplus document type: Journal

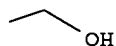
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

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2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 33 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-66-2 REGISTRY
CN L-Leucine, L-seryl-L-isoleucyl-L-isoleucyl-4-[(3-aminopropyl)benzoylamino]butanoylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

type	location	description
uncommon	Und-4	-
uncommon	Oaa-5	-

SEQ 1 SIIXXGL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C37 H61 N7 O9

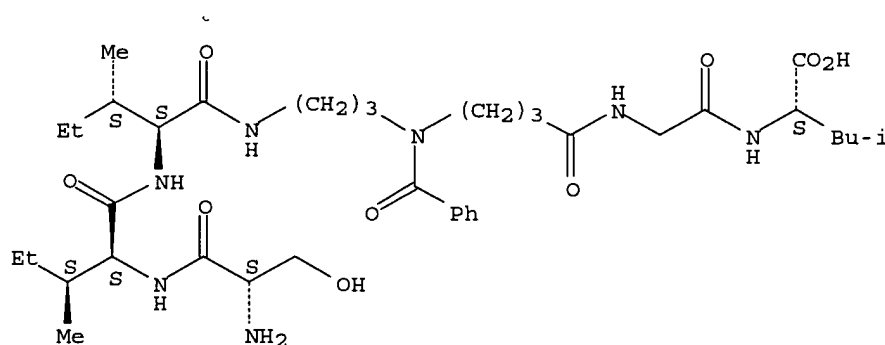
SR CA

LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 34 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-65-1 REGISTRY
CN L-Isoleucinamide, L-seryl-L-isoleucyl-N-[3-[benzoyl[2-[[5-[(carboxymethyl)(2-methyl-1-oxopropyl)amino]pentyl]amino]-2-oxoethyl]amino]propyl]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE modified

type	location	description
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Search done by Noble Jarrell

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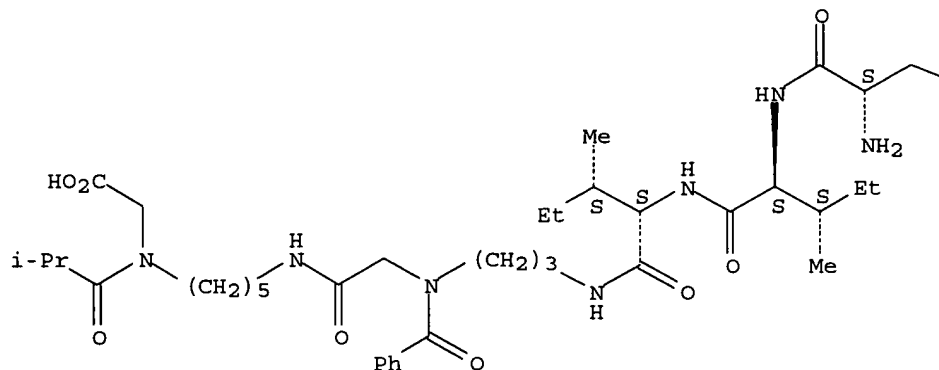
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uncommon      Bal-4      -      -
uncommon      Oaa-6      -      -
modification  Bal-4      -      undetermined modification
modification  Gly-5      -      benzoyl<Bz>
modification  Oaa-6      -      undetermined modification
modification  Gly-7      -      2-methyl-1-oxopropyl<i-BuO>
-----

```

SEQ 1 SIIIXGXG
MF C38 H63 N7 O9
SR CA
LC STN Files: CA, CAPLUS
DT.CA Caplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

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OH

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 35 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 219297-64-0 REGISTRY
CN L-Isoleucinamide, L-seryl-L-isoleucyl-N-[3-[benzoyl[4-[[3-
[(carboxymethyl)(3-methyl-1-oxobutyl)amino]propyl]amino]-4-
oxobutyl]amino]propyl]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE

```

-----
type      ----- location -----      description
-----
uncommon      Und-4      -      -
uncommon      Oaa-5      -      -
uncommon      Und-6      -      -
-----

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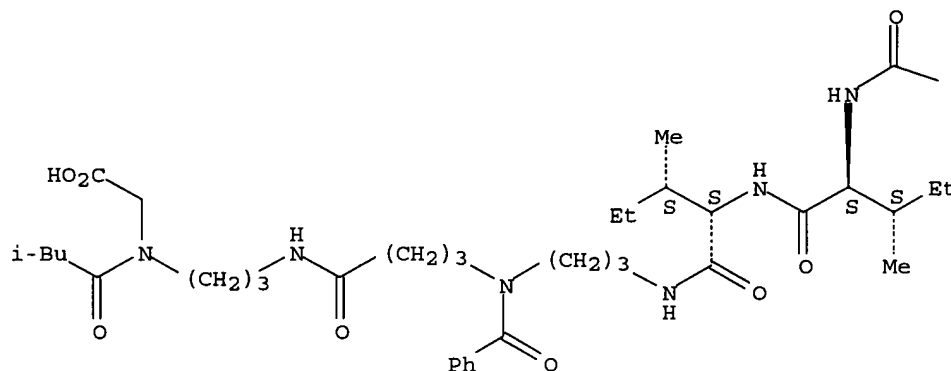
SEQ 1 SIIXXXG
MF C39 H65 N7 O9

Search done by Noble Jarrell

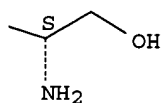
SR CA
 LC STN Files: CA, CAPLUS
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

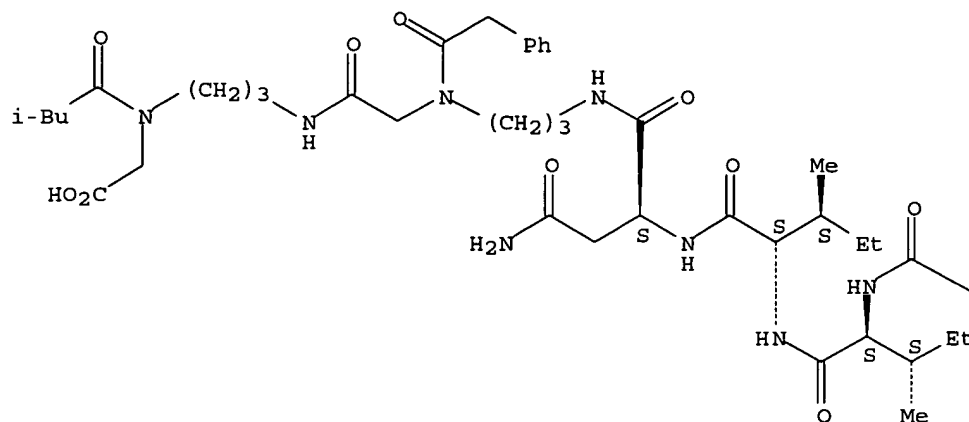
L40 ANSWER 36 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 219297-62-8 REGISTRY
 CN L-Aspartamide, L-seryl-L-isoleucyl-L-isoleucyl-N1-[3-[[2-[[3-
 [(carboxymethyl) (3-methyl-1-oxobutyl)amino]propyl]amino]-2-
 oxoethyl](phenylacetyl)amino]propyl]- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 8
 NTE modified

type	location		description
uncommon	Bal-5	-	-
uncommon	Bal-7	-	-
modification	Bal-5	-	undetermined modification
modification	Gly-6	-	undetermined modification
modification	Bal-7	-	undetermined modification
modification	Gly-8	-	3-methyl-1-oxobutyl

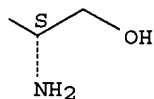
SEQ 1 SIINXGXG
 MF C42 H69 N9 O11
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA Caplus document type: Journal
 RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

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PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 37 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 208243-40-7 REGISTRY
 CN L-Phenylalanine, N-[1-[3-[[[3-[[[2-[7-[1,3-dihydro-3,3-dimethyl-1-(4-sulfobutyl)-2H-indol-2-ylidene]-1,3,5-heptatrienyl]-3,3-dimethyl-1-(4-sulfobutyl)-3H-indolium-5-yl]carbonyl]amino]propyl]amino]carbonyl]phenyl]-2,5-dioxo-3-pyrrolidinyl]-L-cysteinyl-L-valyl-L-histidyl-L-histidyl-L-glutamyl-L-lysyl-L-leucyl-L-valyl-L-phenylalanyl-, inner salt, monosodium salt (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 10
 NTE modified (modifications unspecified)

type	location	description
modification	-	undetermined modification
modification	Cys-1	undetermined modification

SEQ 1 CVHHQKLVFF

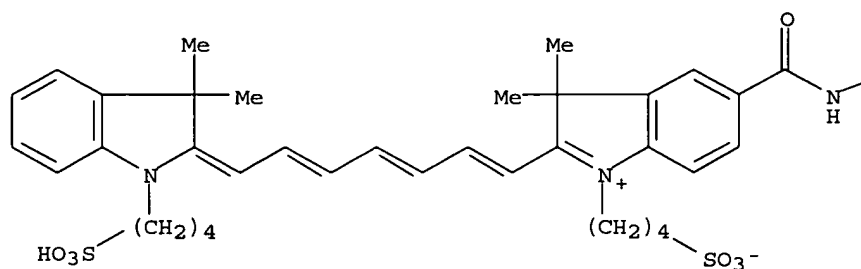
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Search done by Noble Jarrell

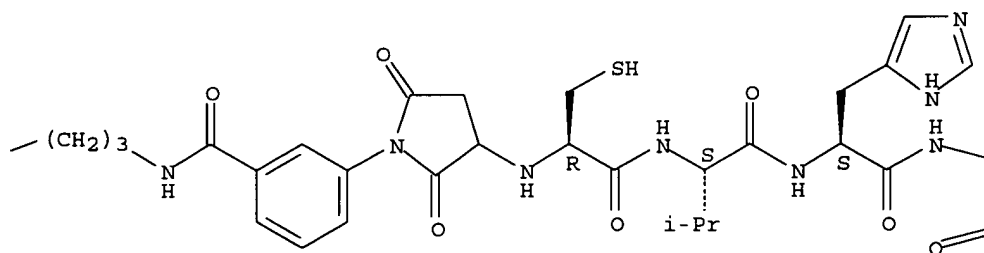
MF C110 H145 N21 O22 S3 . Na
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL
 DT.CA Caplus document type: Patent
 RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
 CRN (791765-42-9)

Absolute stereochemistry.
 Double bond geometry unknown.

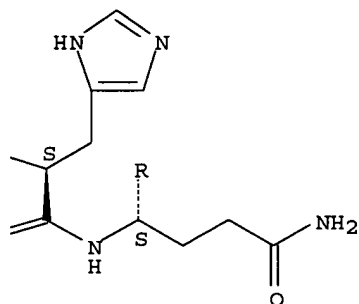
PAGE 1-A



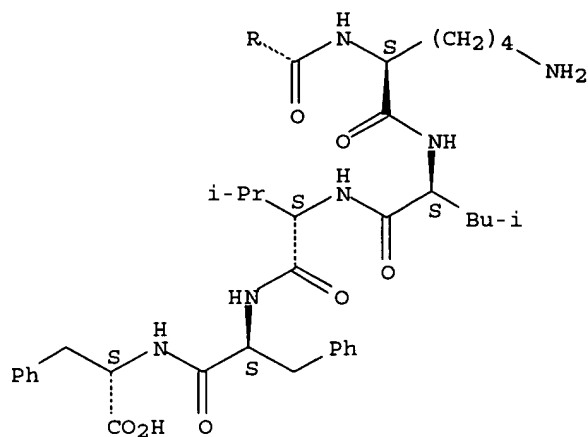
PAGE 1-B



PAGE 1-C



PAGE 2-A



● Na

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 38 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 207396-19-8 REGISTRY
 CN Vincalurekoblazin-23-oic acid, O4-deacetyl-, amide with
 hydroxyacetyl-(4R)-4-hydroxy-L-prolyl-L-alanyl-L-seryl-(2S)-2-
 cyclohexylglycyl-L-glutamyl-L-seryl-N-(3-aminopropyl)-L-leucinamide
 (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 7
 NTE modified (modifications unspecified)

type	location			description
uncommon	Hyp-1	-	-	
uncommon	Aaa-4	-	-	

SEQ 1 XASXQSL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C81 H118 N14 O20

SR CA

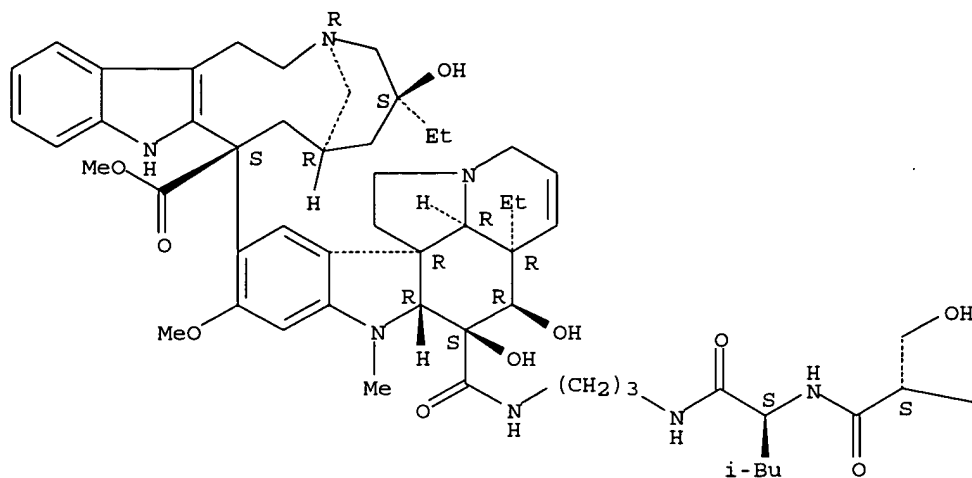
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

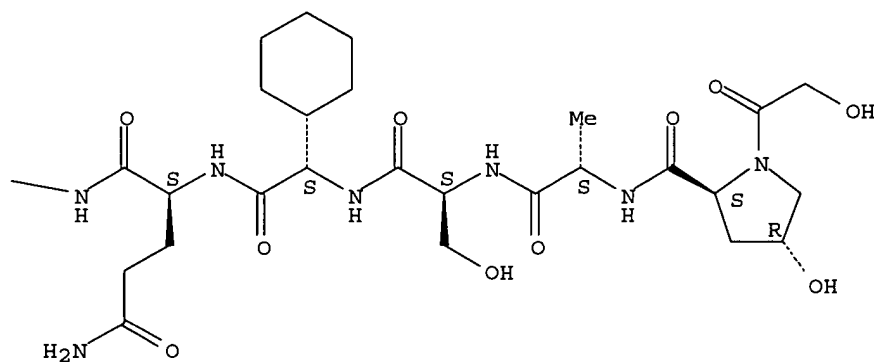
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
 (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



3 REFERENCES IN FILE CA (1907 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 39 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 205185-93-9 REGISTRY
 CN Vincaloblastin-23-oic acid, O4-deacetyl-, 8-amide with
 hydroxyacetyl-L-seryl-L-seryl-L-seryl-(2S)-2-cyclohexylglycyl-L-glutaminyl-
 L-seryl-N-(3-aminopropyl)-L-leucinamide (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 7
 NTE modified (modifications unspecified)

SEQ 1 SSSAQL

Search done by Noble Jarrell

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C79 H116 N14 O21

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

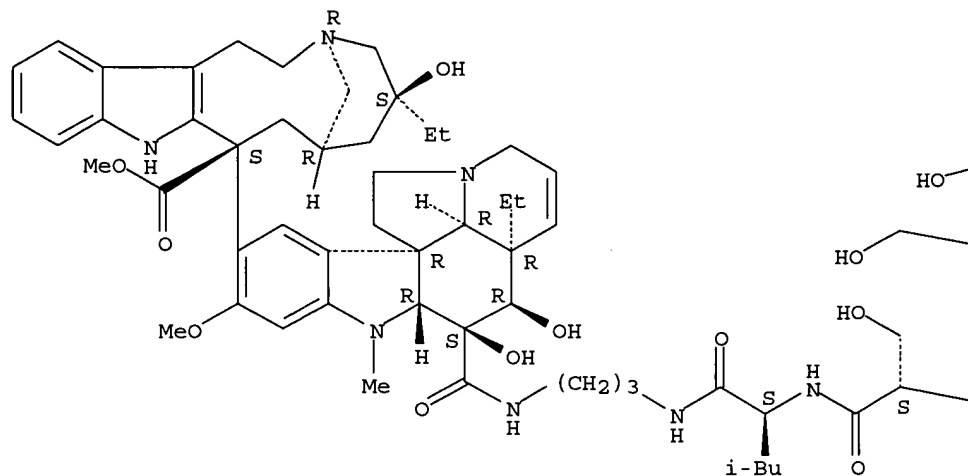
DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); USES (Uses)

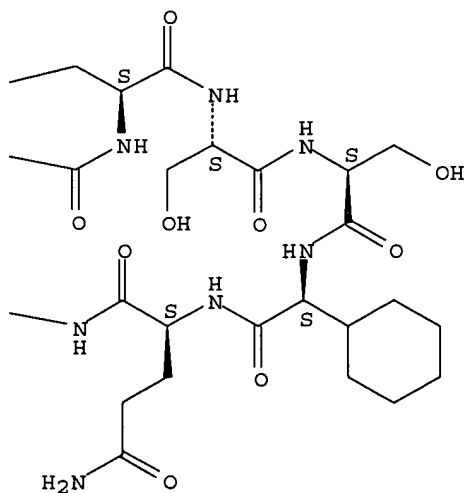
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)

Absolute stereochemistry.

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PAGE 1-B

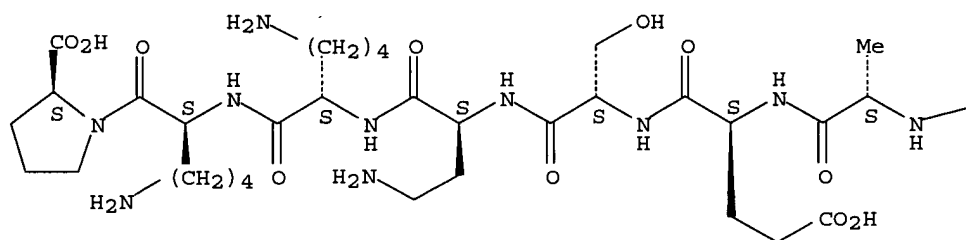


1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Search done by Noble Jarrell

type	location			description
uncommon	Dab-7	-	-	

Absolute stereochemistry.



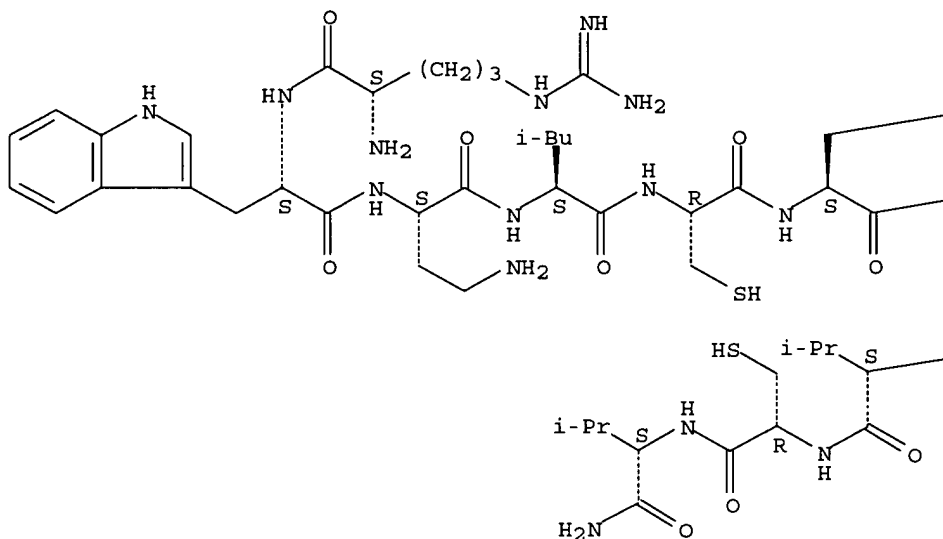
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L40  ANSWER 41 OF 92  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   191739-12-5  REGISTRY
CN   L-Valinamide, L-arginyl-L-tryptophyl-(2S)-2,4-diaminobutanoyl-L-leucyl-L-
      cysteinyl-L-tyrosyl-L-cysteinyl-L-arginyl-L-prolyl-L-lysyl-L-phenylalanyl-
      L-cysteinyl-L-valyl-L-cysteinyl- (9CI)  (CA INDEX NAME)
FS   PROTEIN SEQUENCE; STEREOSEARCH
SQL  15
NTE  modified
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type	location	description
terminal mod.	Val-15	C-terminal amide
uncommon	Dab-3	-

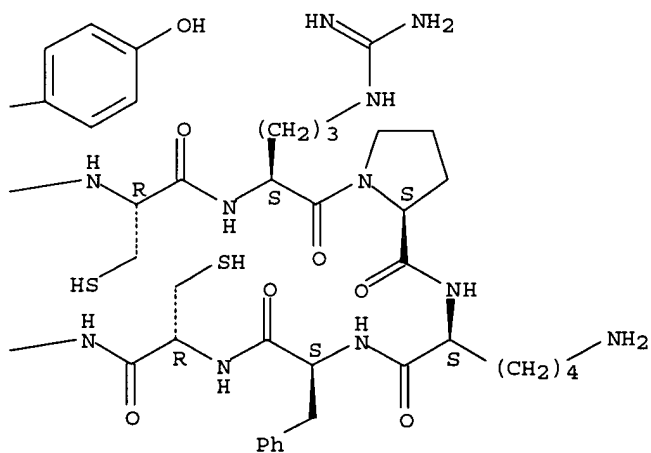
SEQ 1 RWXLCYCRPK FCVCV
 MF C84 H131 N25 O16 S4
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER
 DT.CA Caplus document type: Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

Absolute stereochemistry.

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PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 42 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 189512-98-9 REGISTRY
 CN Vincalukoblastin-23-oic acid, O4-deacetyl-, 7-amide with
 N2-acetyl-L-lysyl-L-tyrosyl-L-glutaminy-L-seryl-L-seryl-L-seryl-N-(3-

Search done by Noble Jarrell

aminopropyl)-L-norleucinamide, mono(trifluoroacetate) (salt) (9CI) (CA
INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 7

NTE modified (modifications unspecified)

type	location	description
uncommon	Nle-7	-

SEQ 1 KYQSSSX

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C83 H119 N15 O20 . C2 H F3 O2

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
(Uses)

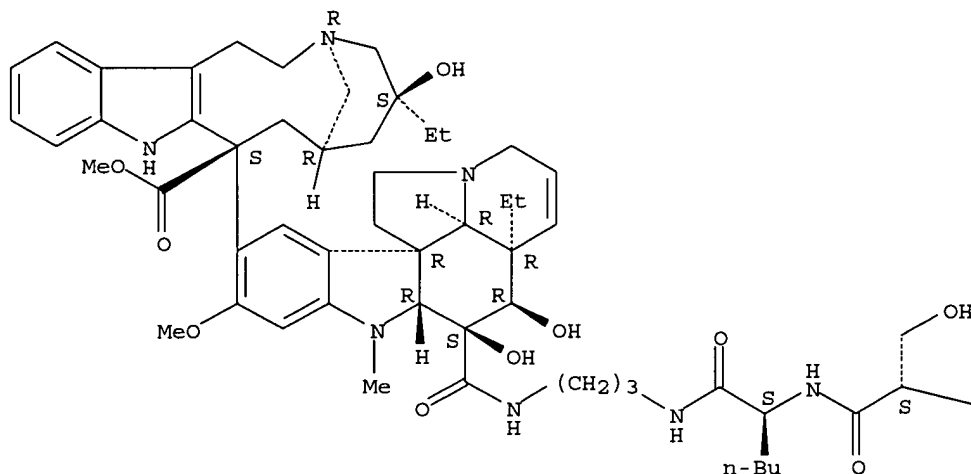
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CRN 189510-13-2

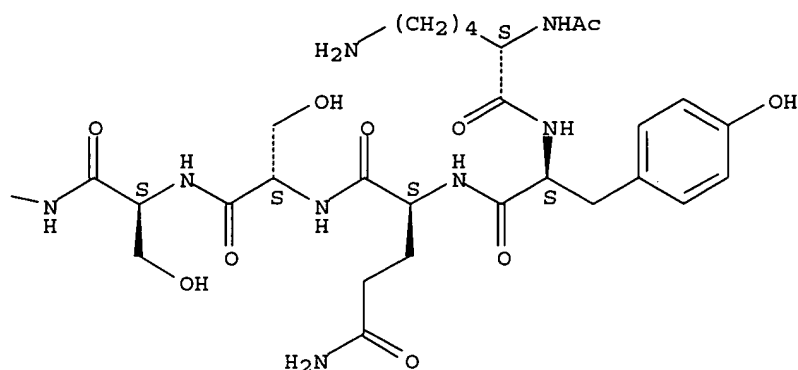
CMF C83 H119 N15 O20

Absolute stereochemistry.

PAGE 1-A



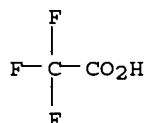
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CM 2

CRN 76-05-1

CMF C2 H F3 O2



2 REFERENCES IN FILE CA (1907 TO DATE)

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 43 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN

RN 189510-13-2 REGISTRY

CN Vincalukoblastin-23-oic acid, O4-deacetyl-, 7-amide with
 N2-acetyl-L-lysyl-L-tyrosyl-L-glutamyl-L-seryl-L-seryl-N-(3-
 aminopropyl)-L-norleucinamide (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 17: PN: US20020042375 PAGE: 111-119 claimed protein

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 7

NTE modified (modifications unspecified)

type	location	description
uncommon	Nle-7	-

PATENT ANNOTATIONS (PNTE):

Sequence	Patent
Source	Reference
Not Given	US2002042375
	claimed PAGE

Search done by Noble Jarrell

|111-119

SEQ 1 KYQSSSX

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C83 H119 N15 O20

CI COM

SR CA

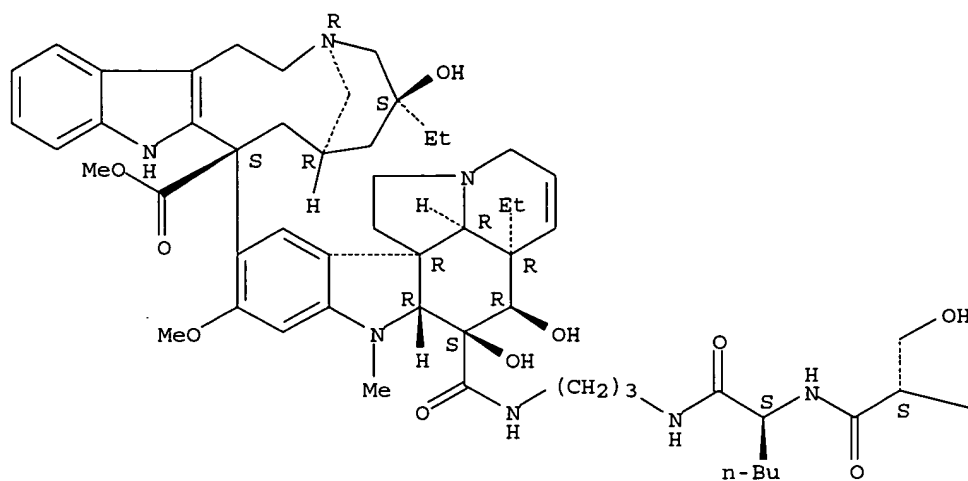
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

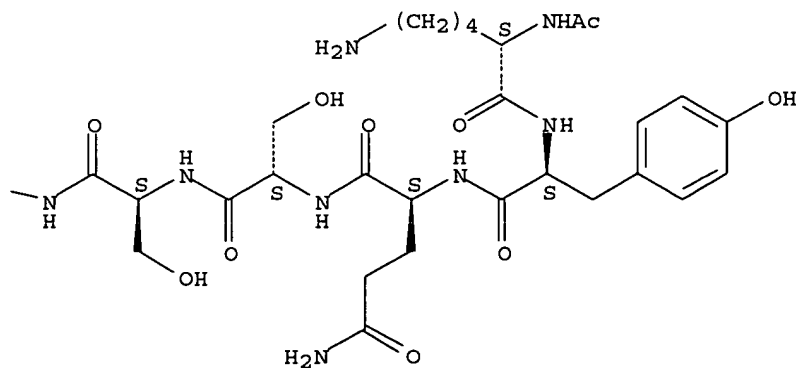
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

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Search done by Noble Jarrell

8 REFERENCES IN FILE CA (1907 TO DATE)
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 44 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 186451-56-9 REGISTRY
CN L-Cysteine, L-lysyl-L-phenylalanyl-L-threonyl-L-isoleucyl-L-valyl-L-phenylalanyl-S-[1-[4-[4-[[3-[[4-[(3-aminopropyl)amino]butyl]amino]propyl]amino]-4-oxobutyl]phenyl]-2,5-dioxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 7
NTE modified (modifications unspecified)

type	location	description
modification	Cys-7	undetermined modification

SEQ 1 KFTIVFC

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MF C66 H101 N13 O12 S

SR CA

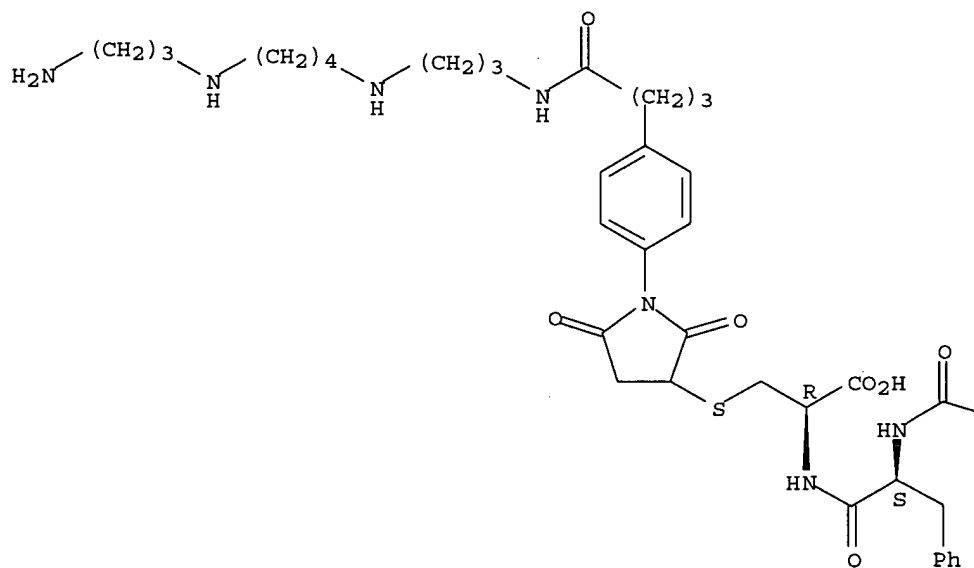
LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

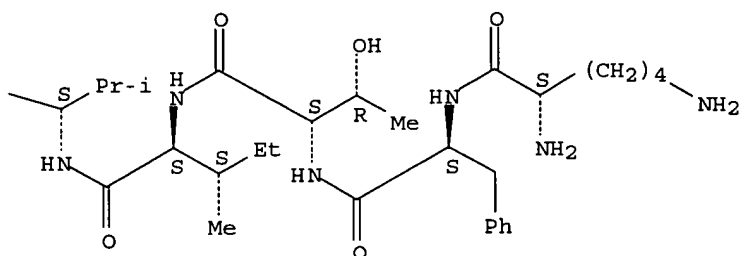
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

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2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 45 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 186451-54-7 REGISTRY
CN Glycine, S-[1-[4-[4-[[3-[[4-[(3-aminopropyl)amino]butyl]amino]propyl]amino]-4-oxobutyl]phenyl]-2,5-dioxo-3-pyrrolidinyl]-L-cysteinylglycyl-L-tyrosylglycyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valylglycyl- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 13
NTE modified (modifications unspecified)

type	location	description
modification	Cys-1	undetermined modification

SEQ 1 CGYGPKKKRK VGG

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C84 H141 N25 O18 S

SR CA

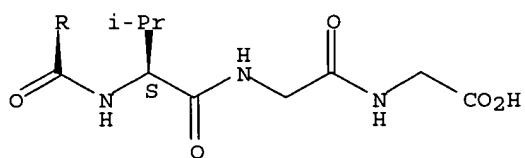
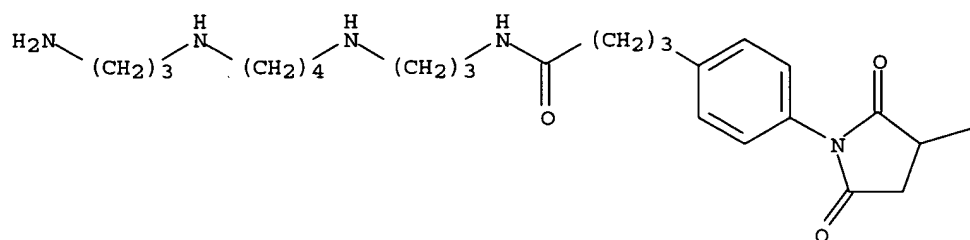
LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

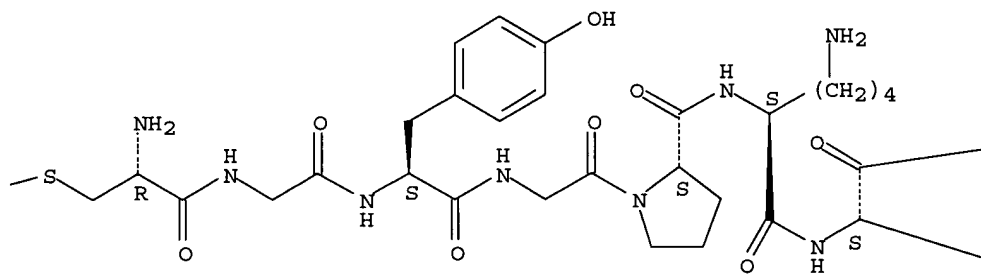
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

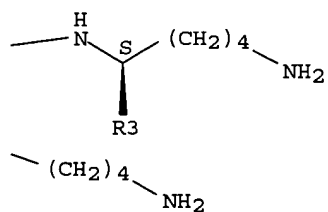
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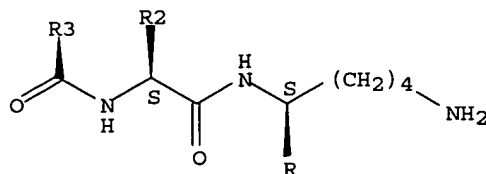
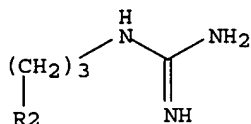
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PAGE 2-A



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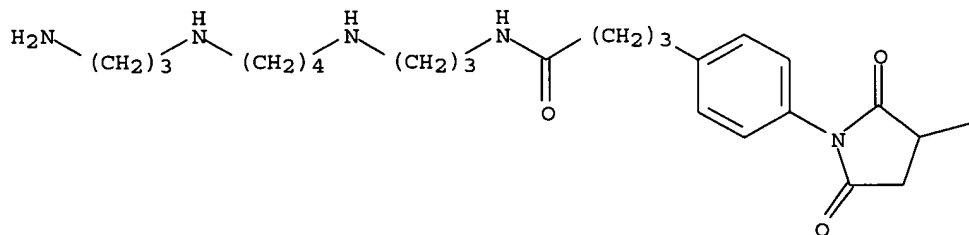
L40 ANSWER 46 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 186451-51-4 REGISTRY
CN L-Cysteine, L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valylglycylglycyl-S-[1-[4-[4-[3-[4-[3-aminopropyl)amino]butyl]amino]propyl]amino]-4-oxobutyl]phenyl]-2,5-dioxo-3-pyrrolidinyl]- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 10
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type	location	description
modification	Cys-10	undetermined modification

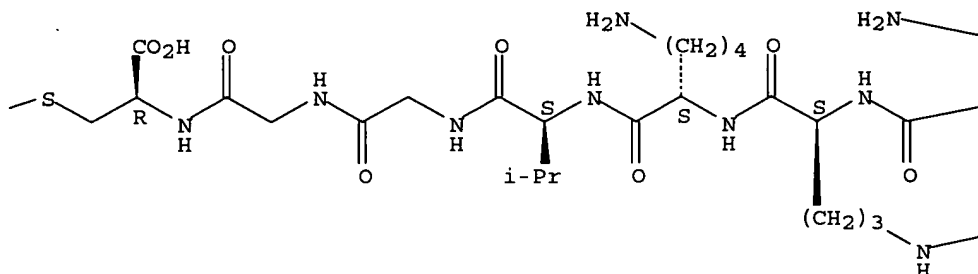
SEQ 1 PKKKRKVGGC
MF C71 H126 N22 O14 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA Caplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

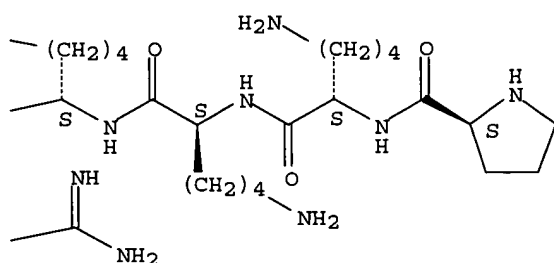
PAGE 1-A



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PAGE 1-C



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 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 47 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 186451-48-9 REGISTRY
 CN L-Cysteine, glycyl-L-tyrosylglycyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-
 arginyl-L-lysyl-L-valylglycylglycyl-S- [1- [4- [4- [[3- [[4- [(3-
 aminopropyl) amino] butyl] amino] propyl] amino] -4-oxobutyl] phenyl] -2,5-dioxo-3-
 pyrrolidinyl] - (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 13
 NTE modified

type	location	description
modification	Cys-13	undetermined modification

SEQ 1 GYGPKKKRKV GGC
 MF C84 H141 N25 O18 S
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL
 DT.CA Caplus document type: Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP
 (Properties); USES (Uses)

Absolute stereochemistry.

NC(CCC)N(CCC)N(CCC)NC(=O)CCCC1=CC=C(C2C(=O)N(C3C(=O)CC(C)C3=O)C2)C1[illegible]

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L40  ANSWER 48 OF 92  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   155704-90-8  REGISTRY
CN   Polymyxin B1, methanesulfonate (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   1,4,7,10,13,16,19-Heptaazacyclotricosane, cyclic peptide deriv.
FS   PROTEIN SEQUENCE; STEREOSEARCH
SQL  10
NTE  modified (modifications unspecified)
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Search done by Noble Jarrell

type	----- location -----		description
bridge	Dab-4	- Thr-10	lactam
uncommon	Dab-1	-	-
uncommon	Dab-3	-	-
uncommon	Dab-4	-	-
uncommon	Dab-5	-	-
uncommon	Dab-8	-	-
uncommon	Dab-9	-	-
stereo	Phe-6	-	D

SEQ 1 XTXXXFLXXT

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C56 H98 N16 O13 . x C H4 O3 S

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

RL.P Roles from patents: BIOL (Biological study)

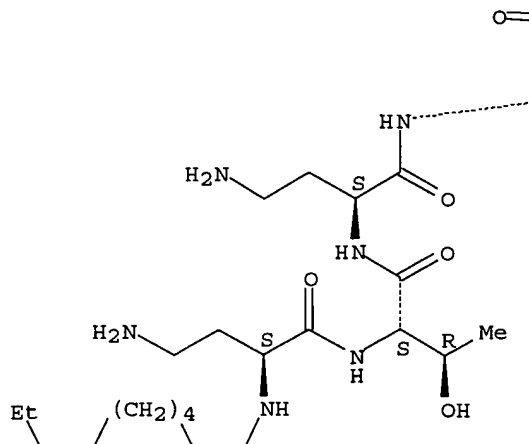
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CRN 4135-11-9

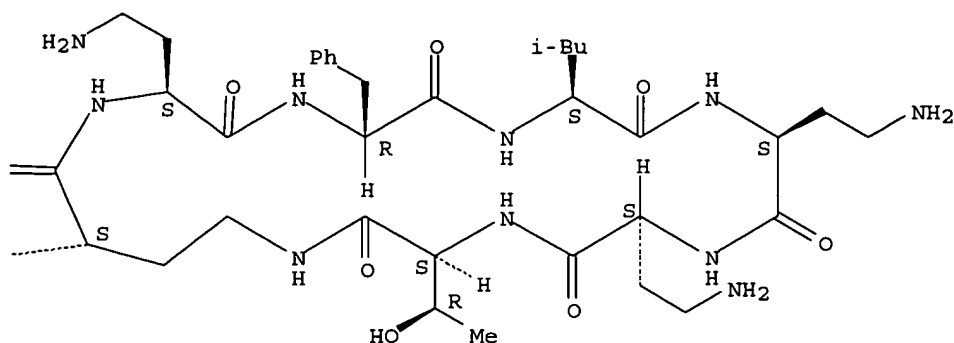
CMF C56 H98 N16 O13

Absolute stereochemistry.

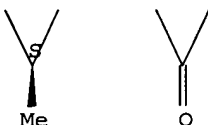
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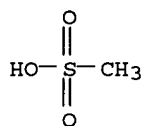
PAGE 2-A



CM 2

CRN 75-75-2

CMF C H4 O3 S



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 49 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154508-74-4 REGISTRY
 CN L-Proline, N-[11,34-bis[[[(3-aminopropyl)amino]methyl]-1,8,19,26,37-pentaoxo-40-(2-pyridinyldithio)-10,35-dioxa-22,23-dithia-7,14,18,27,31,38-hexaazatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, [S-(R*,R*)]- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE
 SQL 16
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type	location	description
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modification	Oaa-1	undetermined modification

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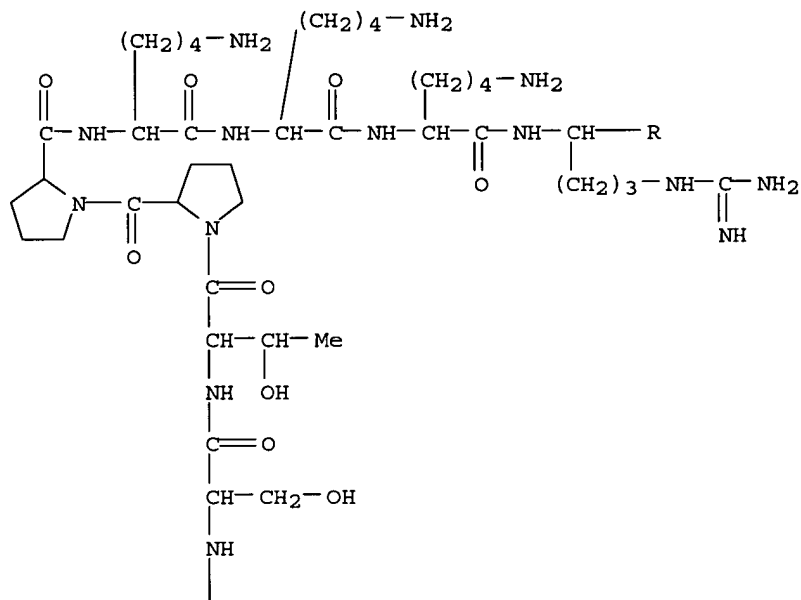
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MF C120 H207 N33 O30 S4

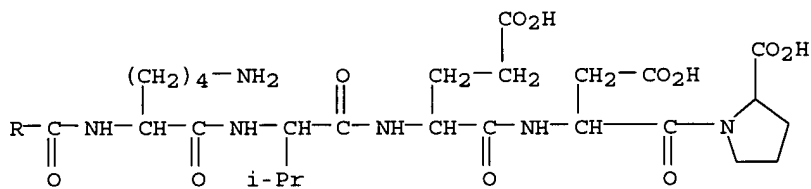
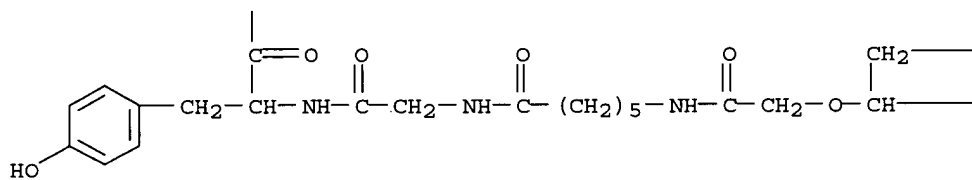
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SR CA
 LC STN Files: CA, CAPLUS, USPATFULL
 DT.CA Caplus document type: Patent
 RL.P Roles from patents: PREP (Preparation)

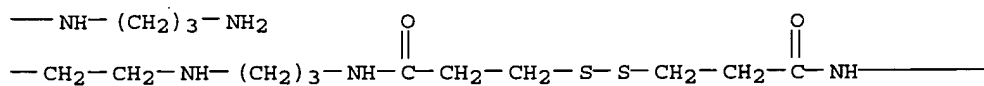
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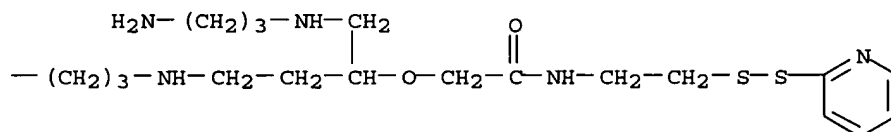
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PAGE 2-C



1 REFERENCES IN FILE CA (1907 TO DATE)
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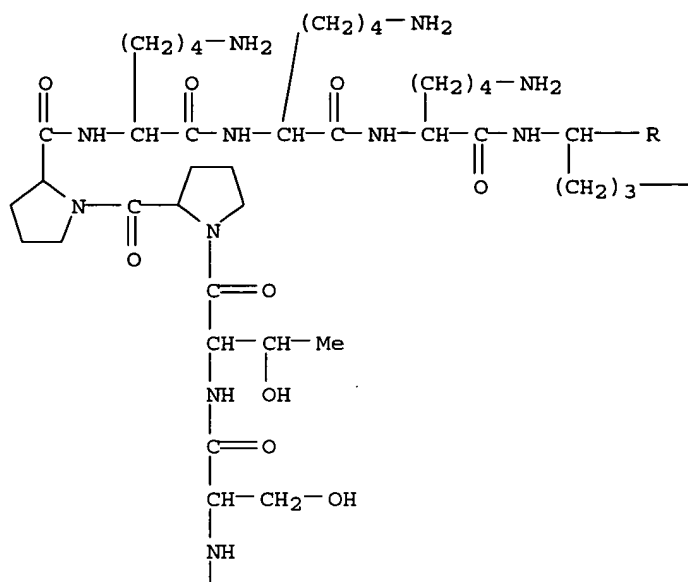
L40 ANSWER 50 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154508-73-3 REGISTRY
 CN L-Proline, N-[49-[[4-[[[2-amino-1,4-dihydro-4-oxo-6-pteridinyl)methyl]amino]benzoyl]amino]-11,34-bis[[[3-aminopropyl]amino]methyl]-49-carboxy-1,8,19,26,37,46-hexaoxo-10,35-dioxo-22,23,41,42-tetrathia-7,14,18,27,31,38,45-heptaazanonatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-,
 [11S-(11R*,34R*,49R*)]- (9CI) (CA INDEX NAME)
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uncommon	Oaa-1 -	-

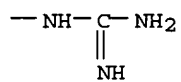
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 LC STN Files: CA, CAPLUS, USPATFULL
 DT.CA Caplus document type: Patent
 RL.P Roles from patents: PREP (Preparation)

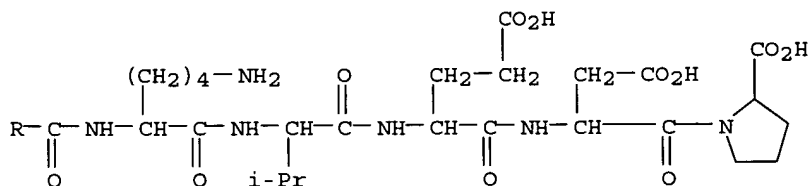
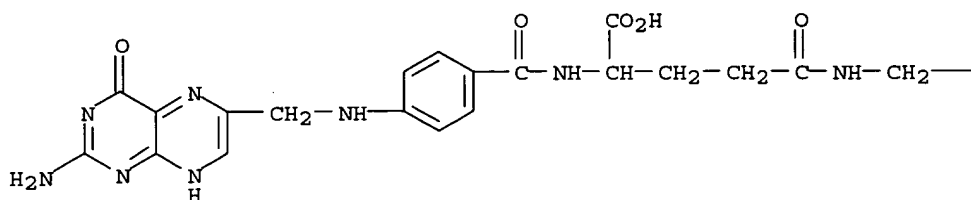
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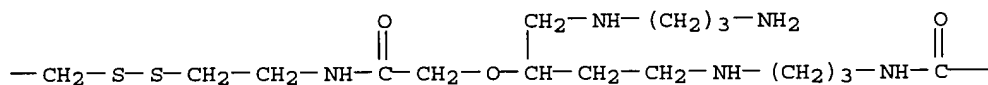
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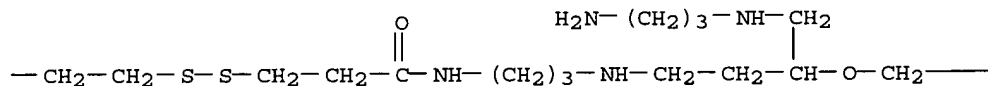
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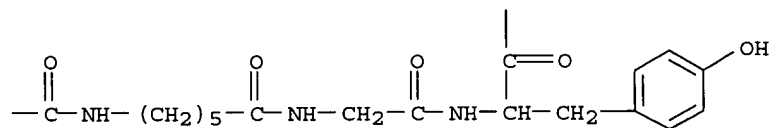
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PAGE 2-D



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 51 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN

RN 154482-76-5 REGISTRY

CN L-Proline, N-[11,34-bis[[[3-aminopropyl]amino]methyl]-45-[(dihydro-2(3H)-thienylidene)amino]-1,8,19,26,37,45-hexaoxo-10,35-dioxo-22,23,41,42-tetrathia-7,14,18,27,31,38-hexaazapentatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, [S-(R*,R*)]- (9CI)
(CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 16

Search done by Noble Jarrell

NTE modified (modifications unspecified)

type	location			description
uncommon	Oaa-1	-	-	
modification	Oaa-1	-		undetermined modification

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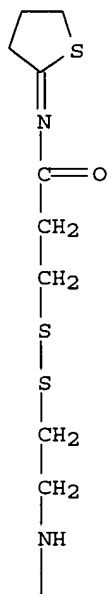
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

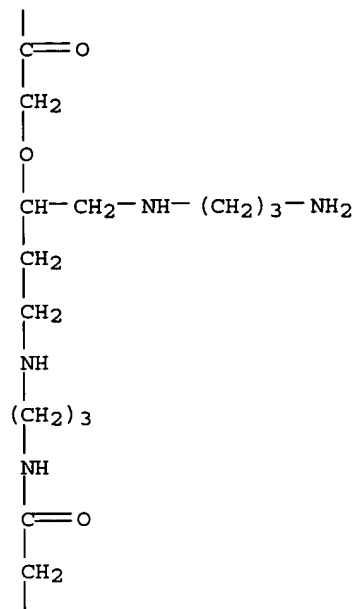
DT.CA CAPlus document type: Patent

RLD.P Roles for non-specific derivatives from patents: PREP (Preparation)

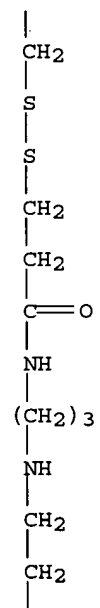
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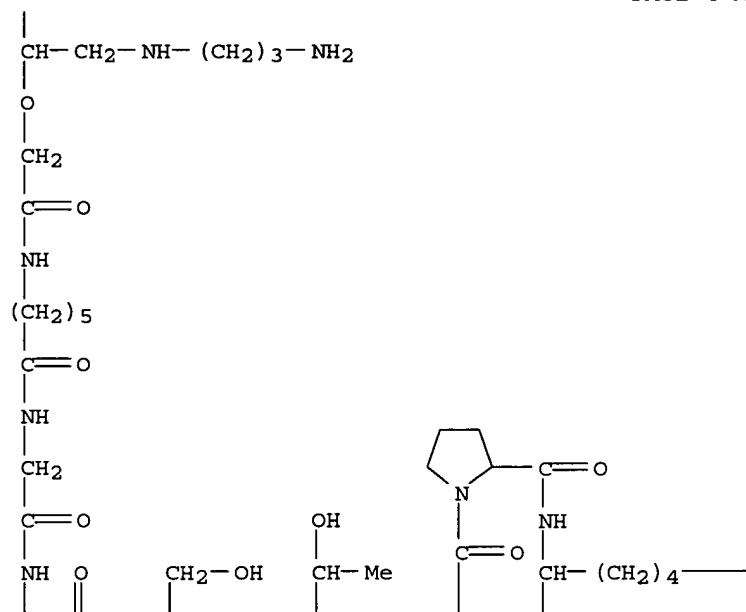
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PAGE 3-A



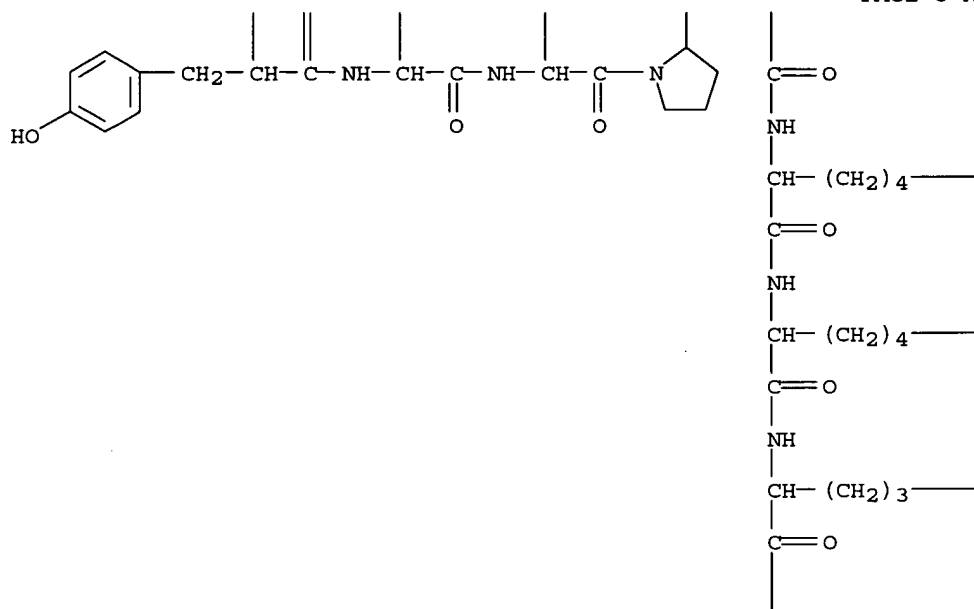
PAGE 4-A



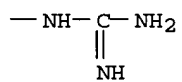
PAGE 4-B

—NH₂

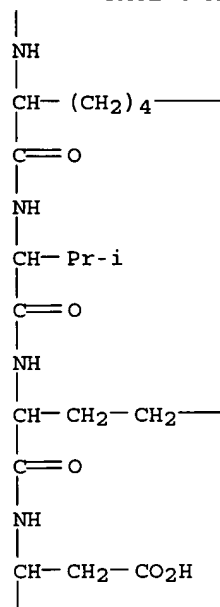
PAGE 5-A



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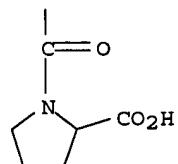
PAGE 6-A



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$$-\text{NH}_2$$
$$\text{---CO}_2\text{H}$$

PAGE 7-A



- 1 REFERENCES IN FILE CA (1907 TO DATE)
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

Search done by Noble Jarrell

L40 ANSWER 52 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154482-75-4 REGISTRY
 CN L-Proline, N-[11,34-bis[[[(3-aminopropyl)amino]methyl]-40-mercapto-
 1,8,19,26,37-pentaoxo-10,35-dioxa-22,23-dithia-7,14,18,27,31,38-
 hexaazatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-
 prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L- α -
 glutamyl-L- α -aspartyl-, [S-(R*,R*)]- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE
 SQL 16
 NTE modified (modifications unspecified)

type	location	description
uncommon	Oaa-1	-
modification	Oaa-1	undetermined modification

SEQ 1 XGYSTPPKKK RKVEDP

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SR CA

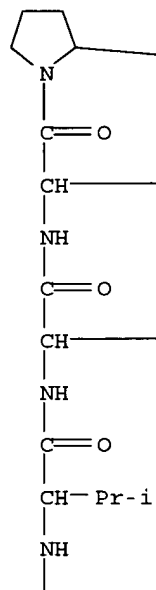
LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

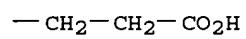
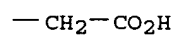
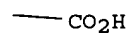
RL.P Roles from patents: PREP (Preparation)

RLD.P Roles for non-specific derivatives from patents: PREP (Preparation)

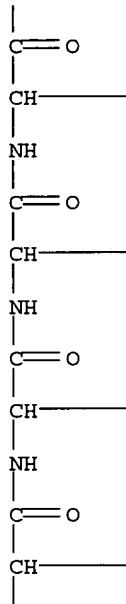
PAGE 1-C



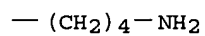
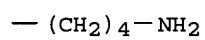
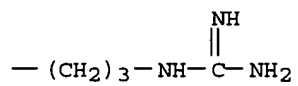
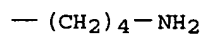
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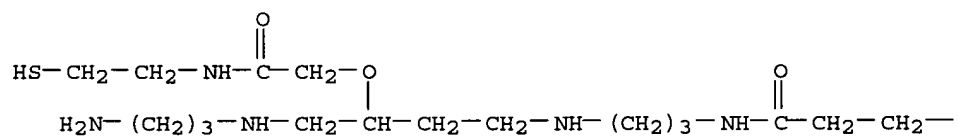
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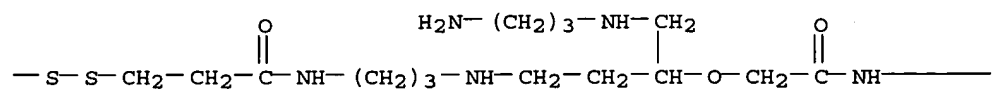
PAGE 2-D

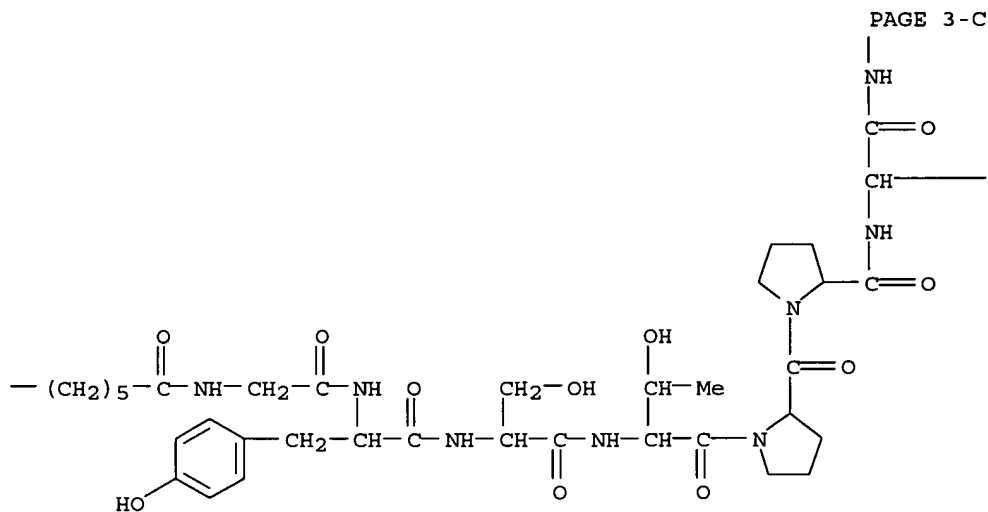


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PAGE 3-B





— (CH₂)₄—NH₂

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 53 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154482-74-3 REGISTRY
 CN L-Proline, N-[11,34-bis[[[(3-aminopropyl)amino]methyl]-50-(1,2-dithiolan-3-yl)-1,8,19,26,37,46-hexaoxo-10,35-dioxo-22,23,41,42-tetrathia-7,14,18,27,31,38,45-heptaazapentacont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Dithiolane, L-proline deriv.
 FS PROTEIN SEQUENCE
 SQL 16
 NTE modified (modifications unspecified)

type	location	description
uncommon	Oaa-1	-
modification	Oaa-1	undetermined modification

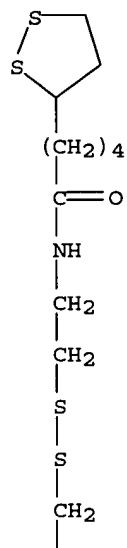
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RELATED SEQUENCES AVAILABLE WITH SEQLINK

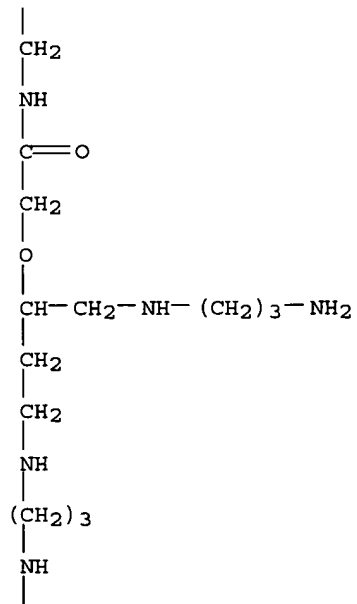
MF C125 H221 N33 O31 S6
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

DT.CA CAlus document type: Patent
 RL.P Roles from patents: PREP (Preparation)

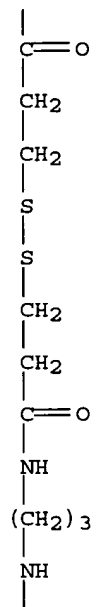
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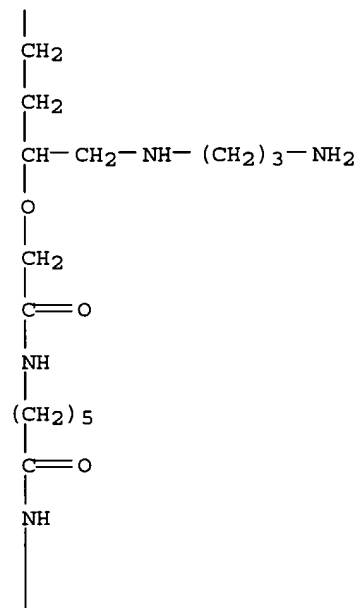
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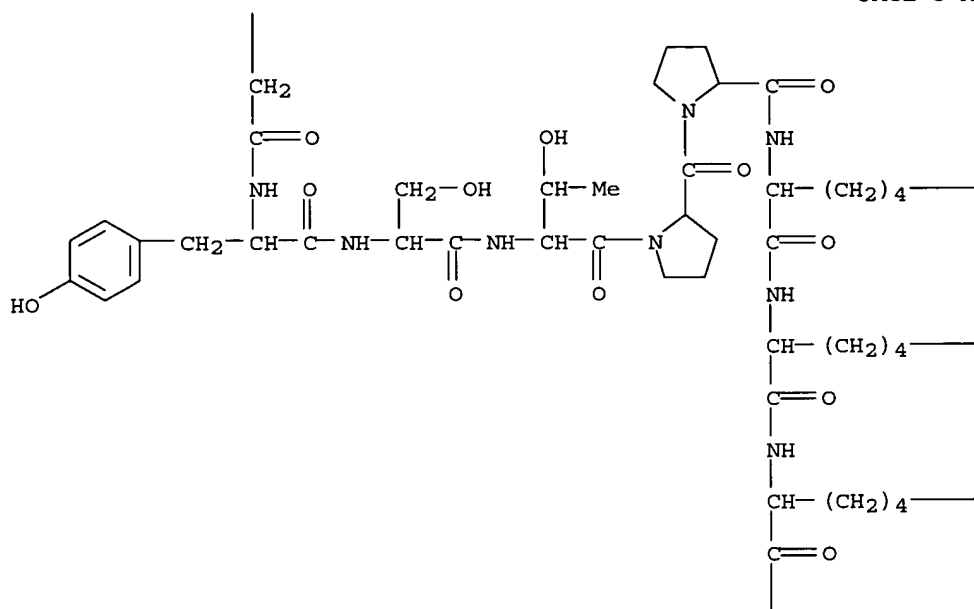
PAGE 3-A



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PAGE 5-A



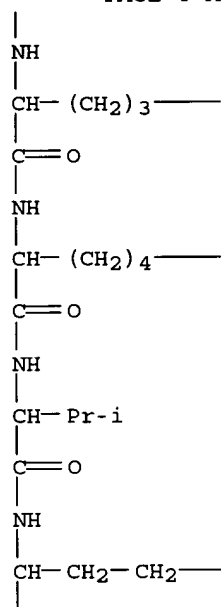
PAGE 5-B

— NH₂

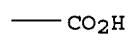
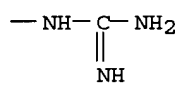
— NH₂

— NH₂

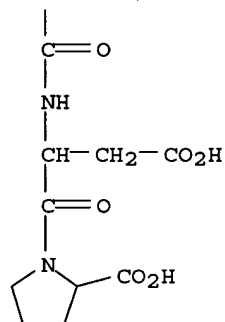
PAGE 6-A



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PAGE 7-A



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 54 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154482-73-2 REGISTRY
 CN L-Proline, N-[[11,34-bis[[[(3-aminopropyl)amino]methyl]-50-(hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1,8,19,26,37,46-hexaoxo-10,35-dioxo-22,23,41,42-tetrathia-7,14,18,27,31,38,45-heptaazapentacont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L- α -glutamyl-L- α -aspartyl-, [3aS-[3a α ,4 β (11R*,34R*),6a α]]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Thieno[3,4-d]imidazole, L-proline deriv.

FS PROTEIN SEQUENCE

SQL 16

NTE modified (modifications unspecified)

type	location	description
uncommon	Oaa-1	-
modification	Oaa-1	undetermined modification

SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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SR CA

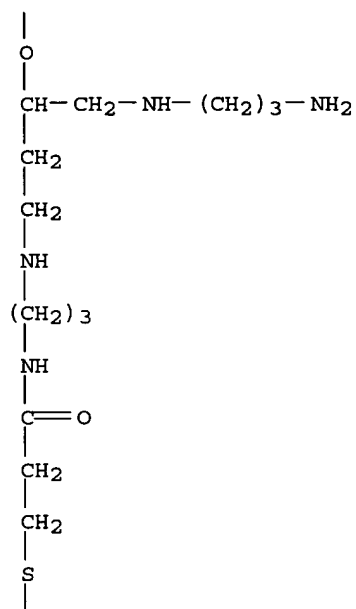
LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

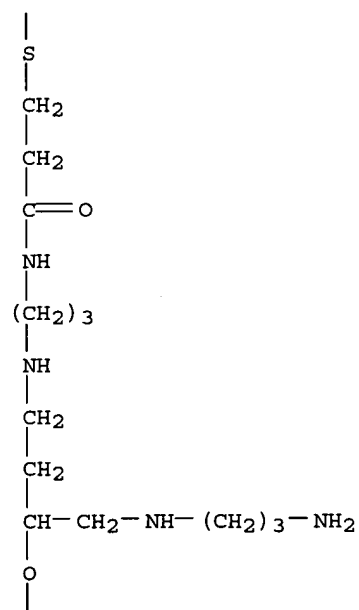
RL.P Roles from patents: PREP (Preparation)

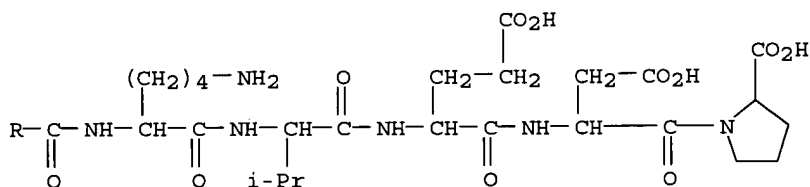
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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L40 ANSWER 55 OF 92  REGISTRY  COPYRIGHT 2005 ACS on STN
RN 154482-72-1  REGISTRY
CN L-Glutamic acid, N-[45-amino-16-[[[(3-aminopropyl)amino]methyl]-
1,4,13,24,32-penta-oxo-15-oxa-8,9,28,29-tetra-5,12,19,23,33,37,42-
heptaazapentatetracont-1-yl]-L-histidyl-L-leucyl-L-arginyl-L-argi-
leucyl-L-arginyl-L-arginyl-L-arginyl-L-leucyl-L-leucyl-L-arginyl-L-α-
glutamyl-L-alanyl-L-α-glutamyl-, (S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 15
NTE modified (modifications unspecified)
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type          ----- location -----          description

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modification His-1 - undetermined modification

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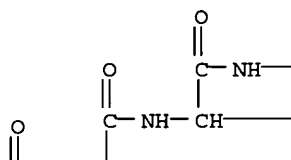
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

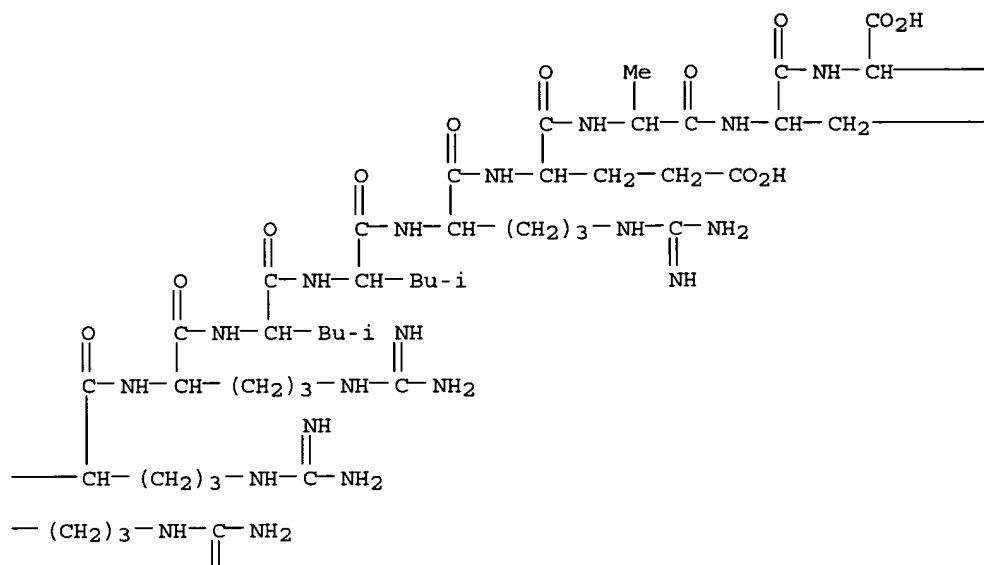
DT.CA CAplus document type: Patent

RL.P Roles from patents: PREP (Preparation)

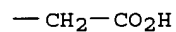
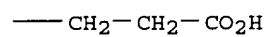
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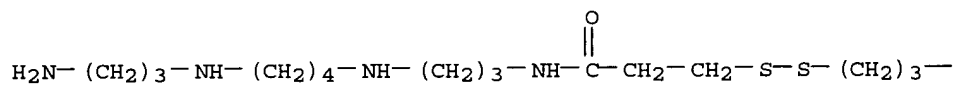
PAGE 1-D



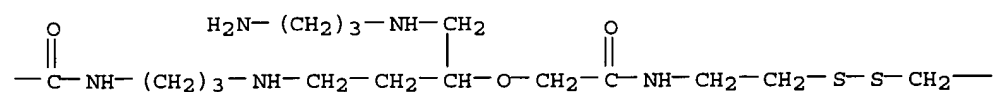
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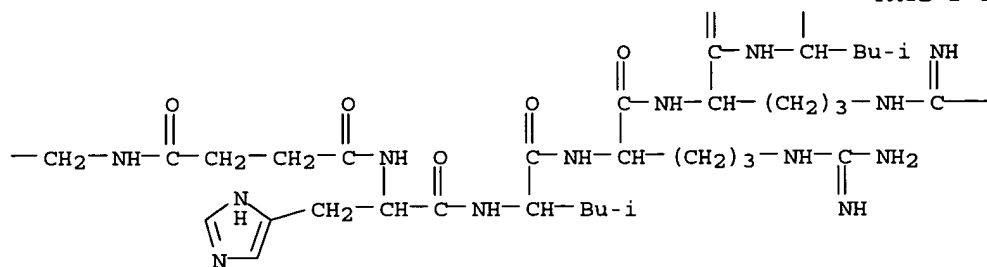
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NH

—NH₂

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 56 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154296-06-7 REGISTRY
 CN L-Argininamide, N-[14,32,37-tris[(1,1-dimethylethoxy)carbonyl]-11-[[[(1,1-dimethylethoxy)carbonyl][3-[[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-44,44-dimethyl-1,8,19,27,42-pentaoxo-10,43-dioxa-23,24-dithia-7,14,18,28,32,37,41-heptaazapentatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolylglycyl-L-arginyl-L-lysyl-L-lysyl-, (S)- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE
 SQL 11
 NTE modified

type	location	description
terminal mod.	Arg-11	C-terminal amide
uncommon	Oaa-1	-
modification	Oaa-1	undetermined modification

SEQ 1 XGYSTPGRKK R

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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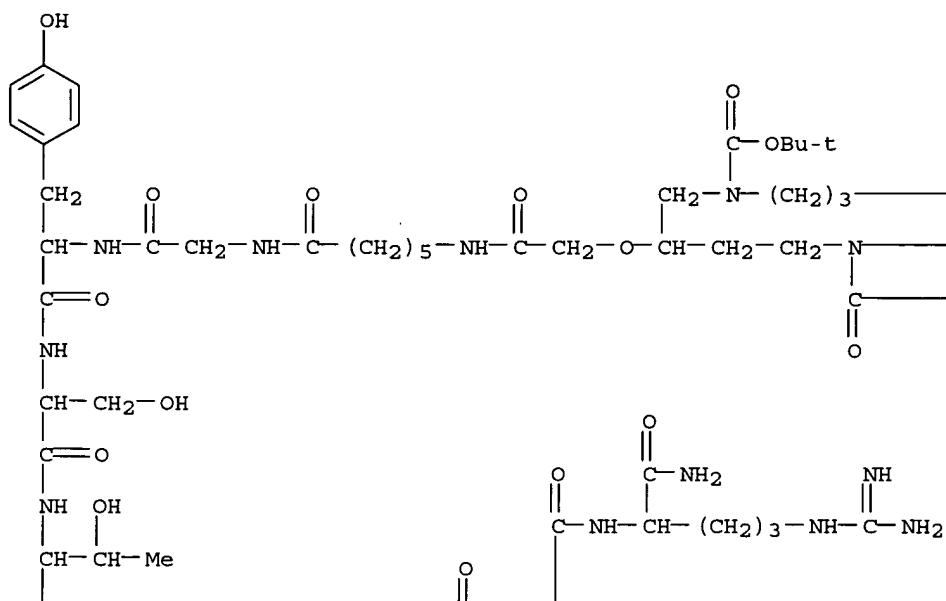
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

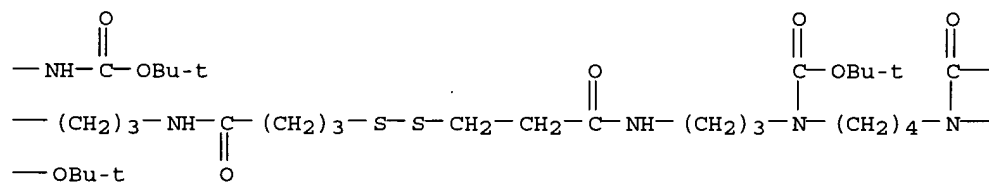
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RL.P Roles from patents: PREP (Preparation)

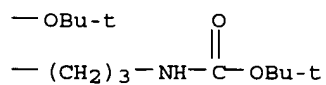
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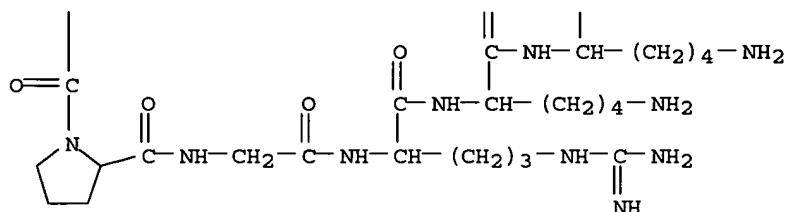
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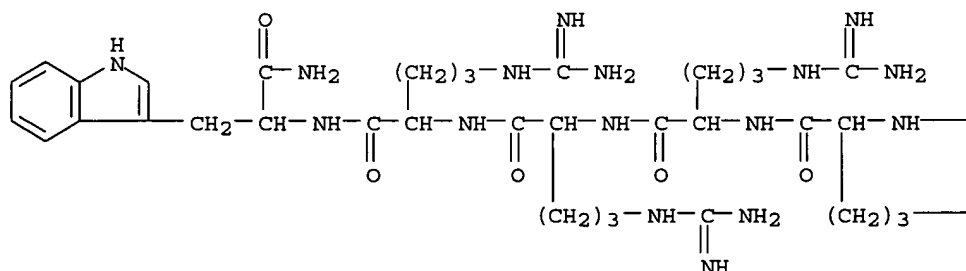
L40 ANSWER 57 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 154296-05-6 REGISTRY
CN L-Tryptophanamide, N-[14,32,37-tris[(1,1-dimethylethoxy)carbonyl]-11-
[[[(1,1-dimethylethoxy)carbonyl][3-[[[(1,1-dimethylethoxy)carbonyl]amino]pr
opyl]amino]methyl]-44,44-dimethyl-1,8,19,27,42-pentaoxo-10,43-dioxo-23,24-
dithia-7,14,18,28,32,37,41-heptaazapentatetracont-1-yl]glycyl-L-tyrosyl-L-
seryl-L-threonyl-L-prolyl-L-arginyl-L-arginyl-L-asparaginyl-L-arginyl-L-
arginyl-L-arginyl-L-arginyl-, (S)- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
SQL 14
NTE modified

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terminal mod.	Trp-14	C-terminal amide
uncommon	Oaa-1	-
modification	Oaa-1	undetermined modification

SEQ 1 XGYSTPRRNR RRRW

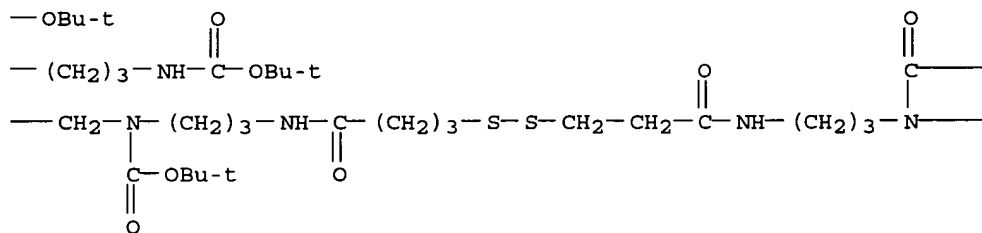
RELATED SEQUENCES AVAILABLE WITH SEQLINK
MF C139 H241 N43 O34 S2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA Caplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

PAGE 1-A

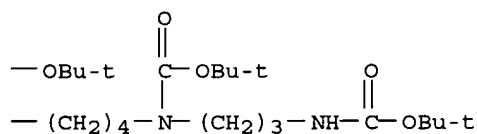


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 \text{C} - \text{NH}_2 \\
 | \\
 (\text{CH}_2)_3 - \text{NH} \\
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 \text{CH} - \text{NH} - \text{C} - \text{NH}_2 \\
 \parallel \\
 \text{O}
 \end{array}$$
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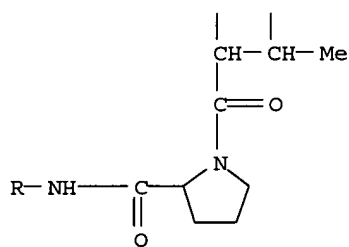
PAGE 2-B



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PAGE 3-A



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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RN   154270-55-0  REGISTRY
CN   L-Prolinamide, N-[14,32,37-tris([(1,1-dimethylethoxy)carbonyl]-11-[[[(1,1-
dimethylethoxy)carbonyl] [3- [[ (1,1-dimethylethoxy) carbonyl] amino] propyl] ami
no]methyl]-44,44-dimethyl-1,8,19,27,42-pentaoxo-10,43-dioxa-23,24-dithia-
7,14,18,28,32,37,41-heptaazapentatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-
threonyl-L-prolyl-L-prolyl-L-lysyl-L-threonyl-L-arginyl-L-arginyl-L-
arginyl-, (S)- (9CI)  (CA INDEX NAME)
FS   PROTEIN SEQUENCE
SQL  13
NTE  modified
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type          ----- location -----      description

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Search done by Noble Jarrell

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terminal mod.    Pro-13      -      C-terminal amide
uncommon        Oaa-1       -      -
modification    Oaa-1       -      undetermined modification
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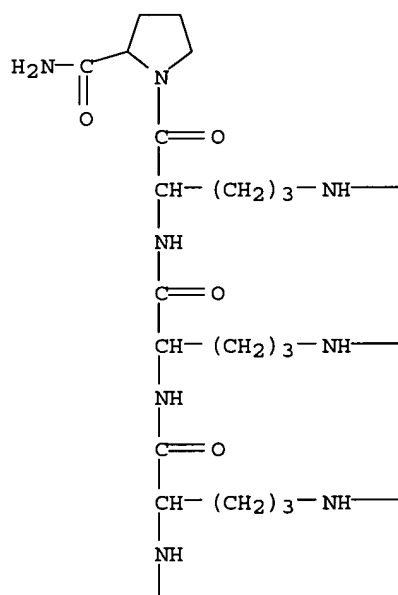
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

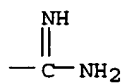
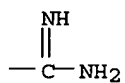
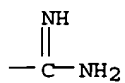
DT.CA CAplus document type: Patent

RL.P Roles from patents: PREP (Preparation)

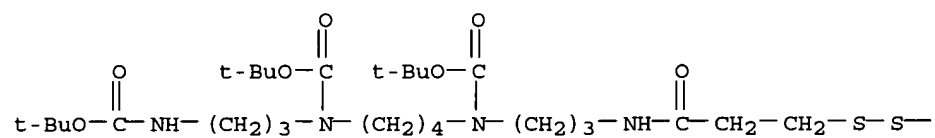
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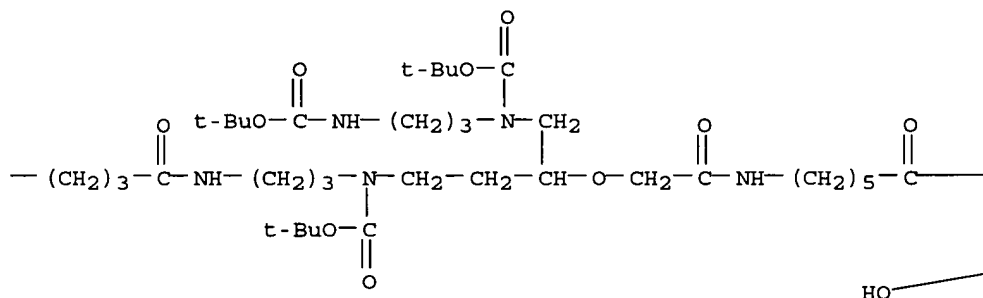
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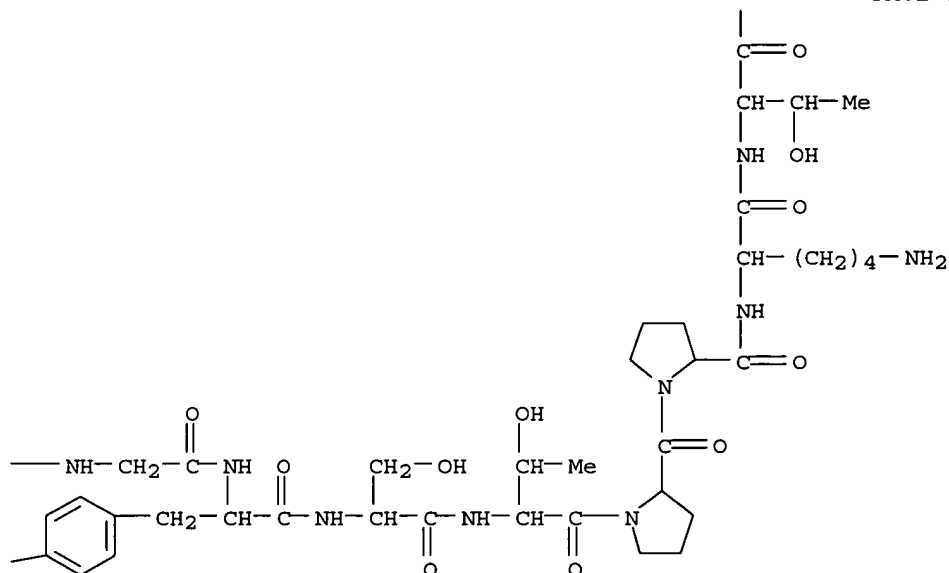
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1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 59 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154270-54-9 REGISTRY
 CN L-Prolinamide, N-[14,32,37-tris[(1,1-dimethylethoxy)carbonyl]-11-[[[(1,1-dimethylethoxy)carbonyl]3-[[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-44,44-dimethyl-1,8,19,27,42-pentaoxo-10,43-dioxo-23,24-dithia-7,14,18,28,32,37,41-heptaazapentatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, (S)- (9CI) (CA INDEX NAME)

Search done by Noble Jarrell

FS PROTEIN SEQUENCE
 SQL 16
 NTE modified

type	location		description
terminal mod.	Pro-16	-	C-terminal amide
uncommon	Oaa-1	-	-
modification	Oaa-1	-	undetermined modification

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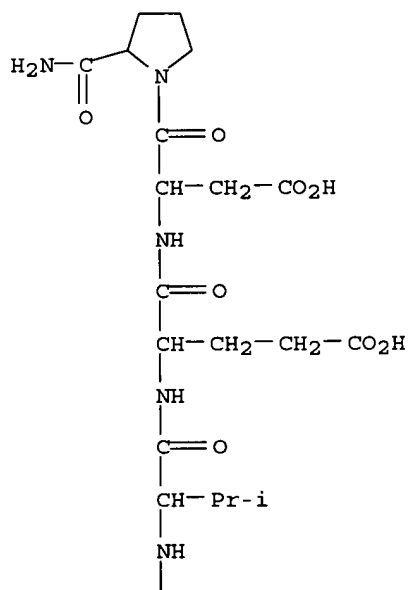
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

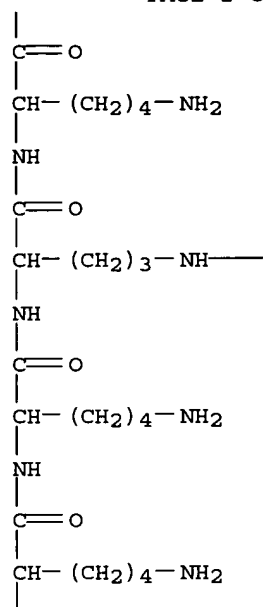
DT.CA Caplus document type: Patent

RL.P Roles from patents: PREP (Preparation)

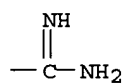
PAGE 1-C



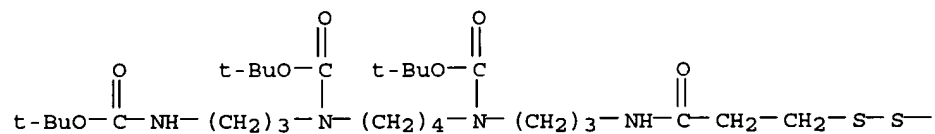
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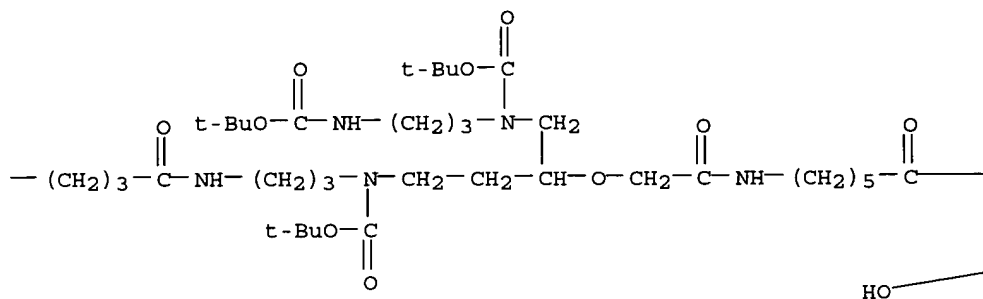
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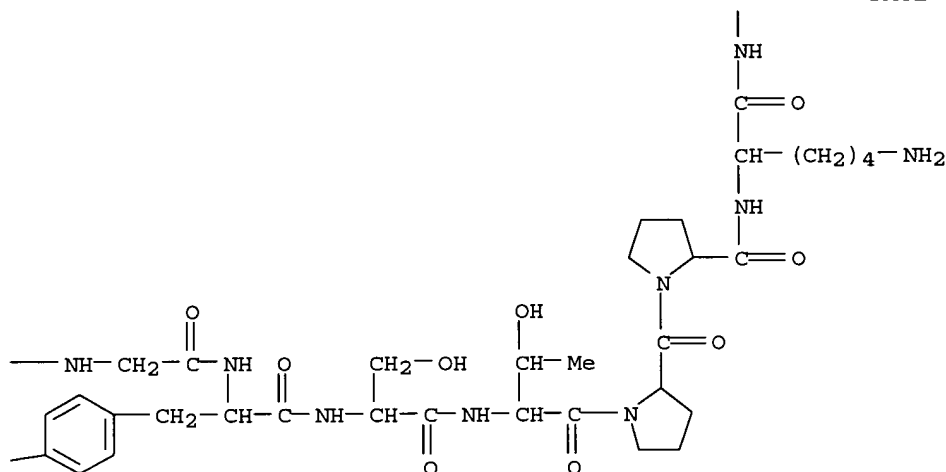
PAGE 3-A



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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 60 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN

RN 154242-02-1 REGISTRY

CN L-Proline, N-[14,31-bis[(1,1-dimethylethoxy)carbonyl]-11,34-bis[[[(1,1-dimethylethoxy)carbonyl][3-[[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-45,45-dimethyl-1,8,19,26,37,43-hexaoxo-10,35,44-trioxo-22,23,41,42-tetrathia-7,14,18,27,31,38-hexaazahexatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, [S-(R*,R*)]- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE

SQL 16

NTE modified (modifications unspecified)

type	location	description
uncommon	Oaa-1	-
modification	Oaa-1	undetermined modification

Search done by Noble Jarrell

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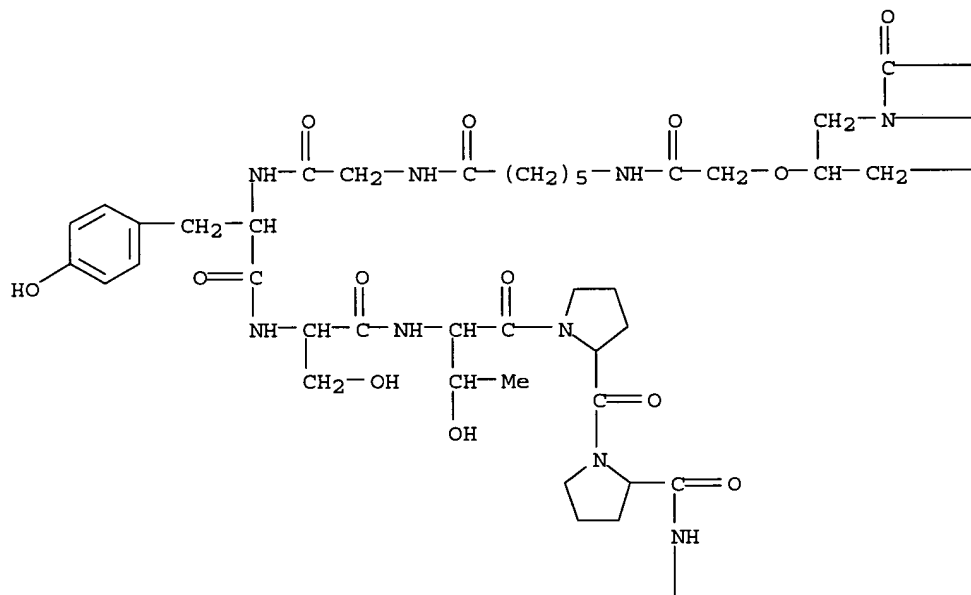
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

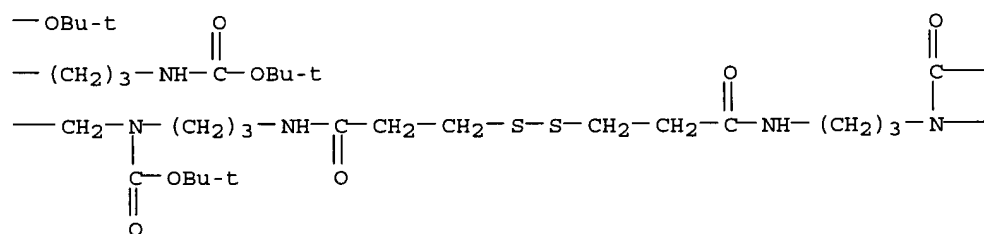
DT.CA Caplus document type: Patent

RLD.P Roles for non-specific derivatives from patents: PREP (Preparation);
RACT (Reactant or reagent)

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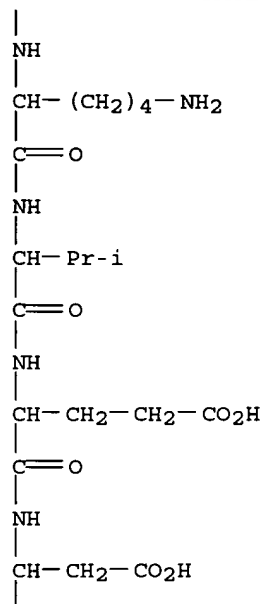


PAGE 1-B

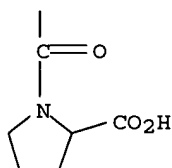


$$\begin{array}{ccccccc} \text{--- O Bu-t} & & \text{O} & & & & \text{O} \\ & & \parallel & & & & \parallel \\ & & \text{C} & & \text{NH} & \text{--- CH}_2\text{--- CH}_2\text{--- S --- S --- C --- O Bu-t} \\ & & | & & & & | \\ \text{--- CH}_2\text{--- CH}_2\text{--- CH --- CH}_2\text{--- N --- (CH}_2\text{)}_3\text{--- NH --- C --- O Bu-t} \\ & & | & & & & \parallel \\ & & \text{C --- O Bu-t} & & & & \text{O} \\ & & \parallel & & & & \\ & & \text{O} & & & & \end{array}$$
$$\begin{array}{c}
 | \\
 \text{CH} - (\text{CH}_2)_4 - \text{NH}_2 \\
 | \\
 \text{C} = \text{O} \\
 | \\
 \text{NH} \\
 | \\
 \text{CH} - (\text{CH}_2)_4 - \text{NH}_2 \\
 | \\
 \text{C} = \text{O} \\
 | \\
 \text{NH} \\
 | \\
 \text{CH} - (\text{CH}_2)_4 - \text{NH}_2 \\
 | \\
 \text{C} = \text{O} \\
 | \\
 \text{NH} \\
 | \\
 \text{CH} - (\text{CH}_2)_3 - \text{NH} - \text{C} - \text{NH}_2 \\
 | \qquad \qquad \qquad || \\
 \text{C} = \text{O} \qquad \qquad \text{NH} \\
 |
 \end{array}$$

PAGE 3-A



PAGE 4-A



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 61 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154242-01-0 REGISTRY
 CN L-Proline, N-[14,31-bis[(1,1-dimethylethoxy)carbonyl]-11,34-bis[[[(1,1-dimethylethoxy)carbonyl][3-[[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-1,8,19,26,37-pentaoxo-40-(2-pyridinyldithio)-10,35-dioxo-22,23-dithia-7,14,18,27,31,38-hexaazatetracont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L- α -glutamyl-L- α -aspartyl-, [S-(R*,R*)]- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE
 SQL 16
 NTE modified (modifications unspecified)

type	location	description
uncommon	Oaa-1	-
modification	Oaa-1	undetermined modification

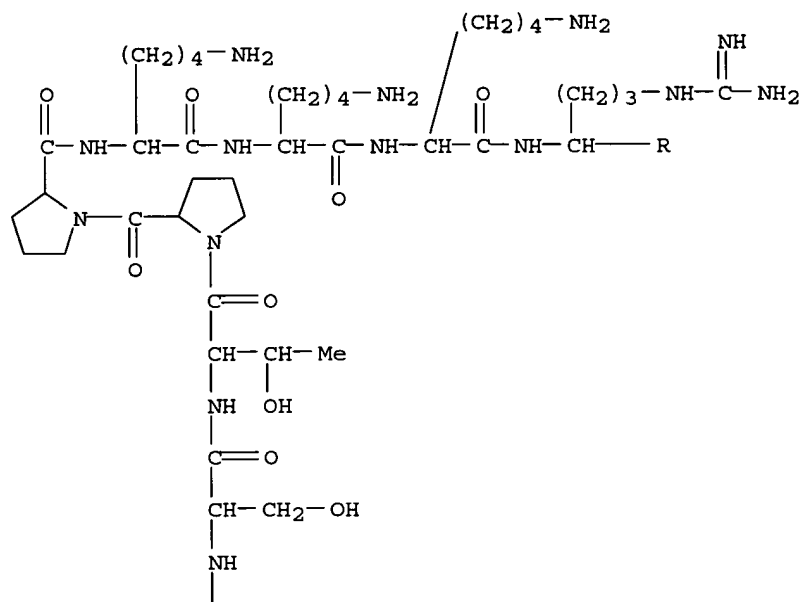
SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK

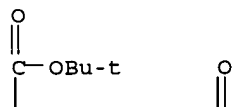
Search done by Noble Jarrell

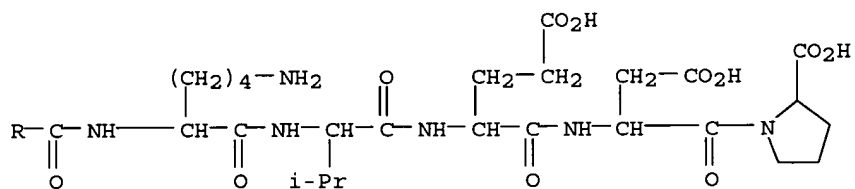
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation);
 RACT (Reactant or reagent)

PAGE 1-A



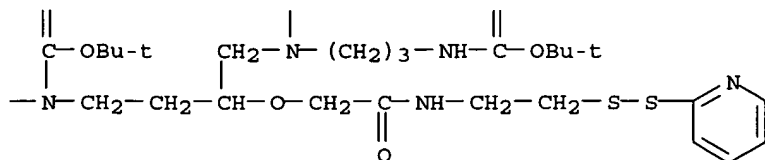
PAGE 1-B



$$\begin{array}{c} \text{O} \\ \parallel \\ \text{C} - \text{OBu-t} \end{array}$$
Oc1ccc(cc1)CC(=O)NC(=O)CCNC(=O)CCCCNC(=O)CCOC(C)C
$$\begin{array}{c} \text{---} \text{N} \text{---} (\text{CH}_2)_3 \text{---} \text{NH} \text{---} \text{C} \text{---} \text{OBu-t} \\ \parallel \\ \text{O} \end{array}$$

$$\begin{array}{c} \text{---} \text{CH}_2 \text{---} \text{CH}_2 \text{---} \text{N} \text{---} (\text{CH}_2)_3 \text{---} \text{NH} \text{---} \text{C} \text{---} \text{CH}_2 \text{---} \text{CH}_2 \text{---} \text{S} \text{---} \text{S} \text{---} \text{CH}_2 \text{---} \text{CH}_2 \text{---} \text{C} \text{---} \text{NH} \text{---} (\text{CH}_2)_3 \text{---} \\ \parallel \qquad \qquad \qquad \parallel \qquad \qquad \qquad \parallel \\ \text{C} \text{---} \text{OBu-t} \qquad \qquad \text{O} \qquad \qquad \text{O} \end{array}$$

PAGE 2-C



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 62 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN

RN 154242-00-9 REGISTRY

CN L-Proline, N-[14,31-bis[(1,1-dimethylethoxy)carbonyl]-11,34-bis[[[(1,1-dimethylethoxy)carbonyl][3-[[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-50-(1,2-dithiolan-3-yl)-1,8,19,26,37,46-hexaoxo-10,35-dioxo-22,23,41,42-tetrathia-7,14,18,27,31,38,45-heptaazapentacont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Dithiolane, L-proline deriv.

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 16

NTE modified (modifications unspecified)

type	location	description
uncommon	Oaa-1	-
modification	Oaa-1	undetermined modification

SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C155 H269 N33 O43 S6

SR CA

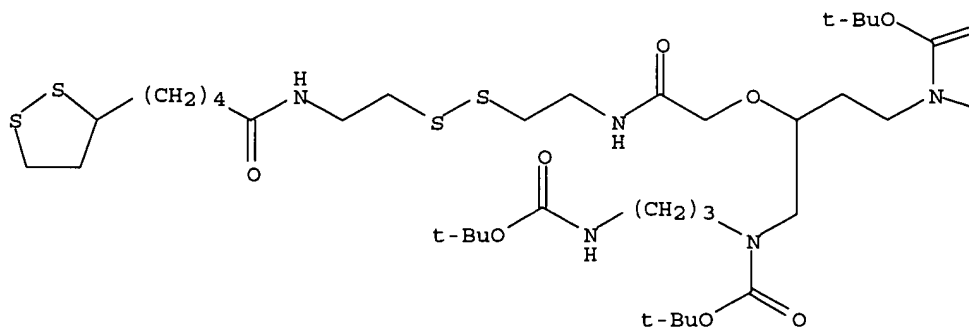
LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

RLD.P Roles for non-specific derivatives from patents: PREP (Preparation);
 RACT (Reactant or reagent)

Absolute stereochemistry.

PAGE 1-A



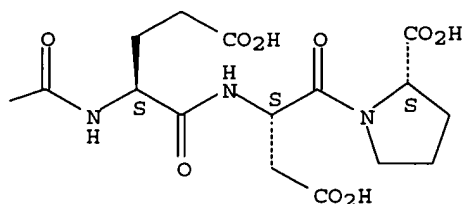
Search done by Noble Jarrell

CC(=O)NCCCSSCCC(=O)NCCCNC(CCCOC(=O)NCCC(=O)O)C(C)(C)C

Chemical structure of compound 10, showing a complex molecule with a central benzene ring substituted with a hydroxyl group. The molecule includes a thioether linkage, an amide bond, and a thiolane ring substituted with a methyl group and a hydroxyl group. The structure is labeled with various functional groups and substituents, including OBu-t , $(\text{CH}_2)_3$, $(\text{CH}_2)_5$, and Me .

The chemical structure shows a repeating unit of a poly(amide-urea) polymer. The backbone consists of amide and urea linkages. The amide groups are connected to a thiazolidine ring, which is substituted with a methyl ketone group. The urea groups are connected to a guanidino group, which is substituted with a methyl ketone group. The polymer chain is terminated with an isopropyl group (i-Pr).

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1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 63 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154241-99-3 REGISTRY
 CN L-Proline, N-[14,31-bis[(1,1-dimethylethoxy)carbonyl]-11,34-bis[[[(1,1-dimethylethoxy)carbonyl][3-[[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-50-(hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl)-1,8,19,26,37,46-hexaoxo-10,35-dioxo-22,23,41,42-tetrathia-7,14,18,27,31,38,45-heptaazapentacont-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L- α -glutamyl-L- α -aspartyl-, [3aS-[3 α ,4 β (11R*,34R*),6 α]]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Thieno[3,4-d]imidazole, L-proline deriv.

FS PROTEIN SEQUENCE

SQL 16

NTE modified (modifications unspecified)

type	location	description
uncommon	Oaa-1	-
modification	Oaa-1	undetermined modification

SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C157 H271 N35 O44 S5

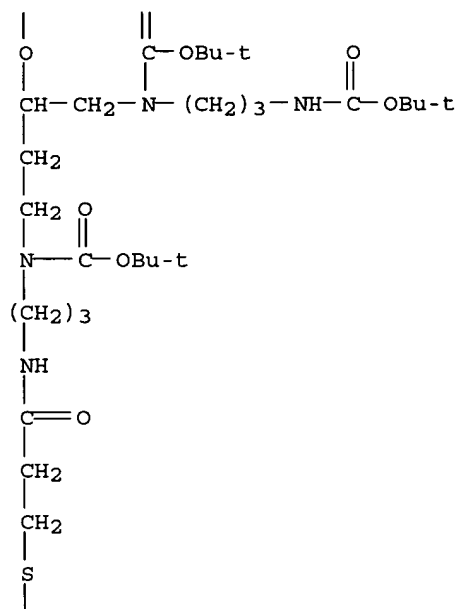
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

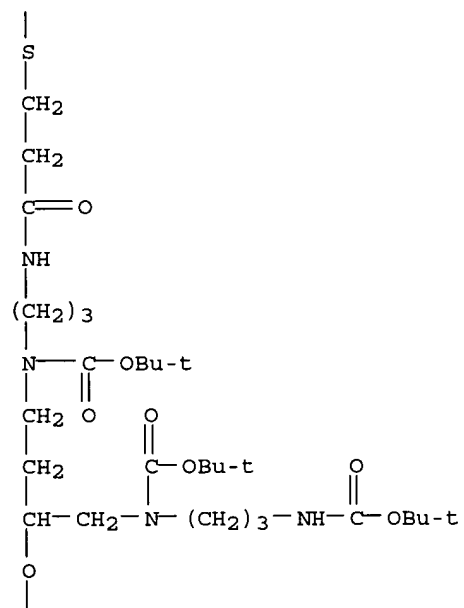
DT.CA Caplus document type: Patent

RLD.P Roles for non-specific derivatives from patents: PREP (Preparation);
 RACT (Reactant or reagent)

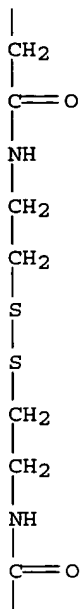
PAGE 3-A



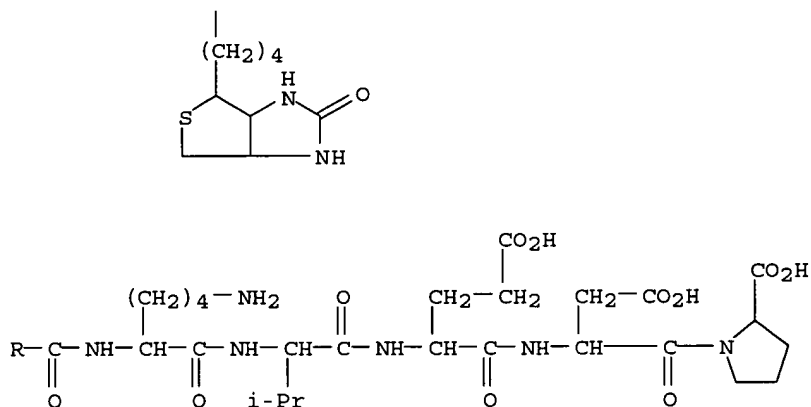
PAGE 4-A



PAGE 5-A



PAGE 6-A



- 1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L40 ANSWER 64 OF 92  REGISTRY  COPYRIGHT 2005 ACS on STN
RN  154241-98-2  REGISTRY
CN  L-Proline, N-[24-carboxy-14-[(1,1-dimethylethoxy)carbonyl]-11-[[[(1,1-
dimethylethoxy)carbonyl][3-[[[(1,1-dimethylethoxy)carbonyl]amino]propyl]ami
no]methyl]-1,8,19-trioxo-10-oxa-22,23-dithia-7,14,18-triazatetracos-1-
yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-
lysyl-L-arginyl-L-lysyl-L-valyl-L- $\alpha$ -glutamyl-L- $\alpha$ -aspartyl-,
(S)- (9CI) (CA INDEX NAME)
FS  PROTEIN SEQUENCE
SQL  16
NTE  modified (modifications unspecified)
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type	----- location -----	description
uncommon	Oaa-1 -	-
modification	Oaa-1 -	undetermined modification

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RELATED SEQUENCES AVAILABLE WITH SEQLINK

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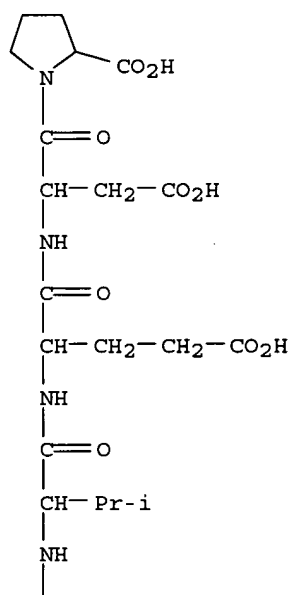
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

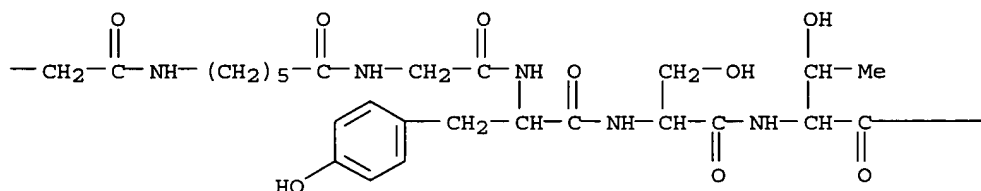
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation);
 RACT (Reactant or reagent)

PAGE 1-C

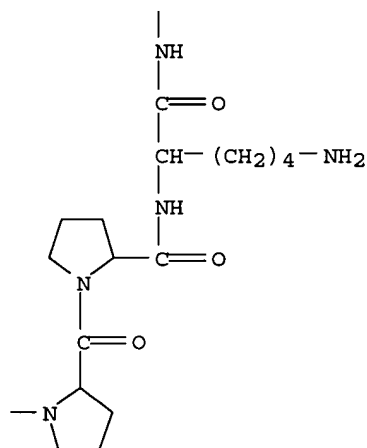


$$\begin{array}{c}
 | \\
 \text{C}=\text{O} \\
 | \\
 \text{CH}-(\text{CH}_2)_4-\text{NH}_2 \\
 | \\
 \text{NH} \\
 | \\
 \text{C}=\text{O} \\
 | \\
 \text{CH}-(\text{CH}_2)_3-\text{NH}-\overset{\text{NH}}{\underset{||}{\text{C}}}-\text{NH}_2 \\
 | \\
 \text{NH} \\
 | \\
 \text{C}=\text{O} \\
 | \\
 \text{CH}-(\text{CH}_2)_4-\text{NH}_2 \\
 | \\
 \text{NH} \\
 | \\
 \text{C}=\text{O} \\
 | \\
 \text{CH}-(\text{CH}_2)_4-\text{NH}_2
 \end{array}$$
$$\text{HO}_2\text{C}-\text{CH}_2-\text{CH}_2-\text{S}-\text{S}-\text{CH}_2-\text{CH}_2-\text{C}(=\text{O})\text{NH}-(\text{CH}_2)_3-\text{N}(\text{CH}_2-\text{CH}_2-\text{CH}(\text{O}-\text{C}(=\text{O})\text{t-Bu}))_2$$

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1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 65 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154241-97-1 REGISTRY
 CN L-Proline, N-[28-(3,5-dimethoxyphenyl)-14-[(1,1-dimethylethoxy)carbonyl]-11-[[[(1,1-dimethylethoxy)carbonyl][3-[[[(1,1-dimethylethoxy)carbonyl]amino]propyl]amino]methyl]-1,8,19,26-tetraoxo-10,27-dioxa-22,23-dithia-7,14,18-triazaoctacos-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, (S)- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE
 SQL 16
 NTE modified (modifications unspecified)

type	location	description
uncommon	Oaa-1	-
modification	Oaa-1	undetermined modification

Search done by Noble Jarrell

SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C125 H207 N27 O37 S2

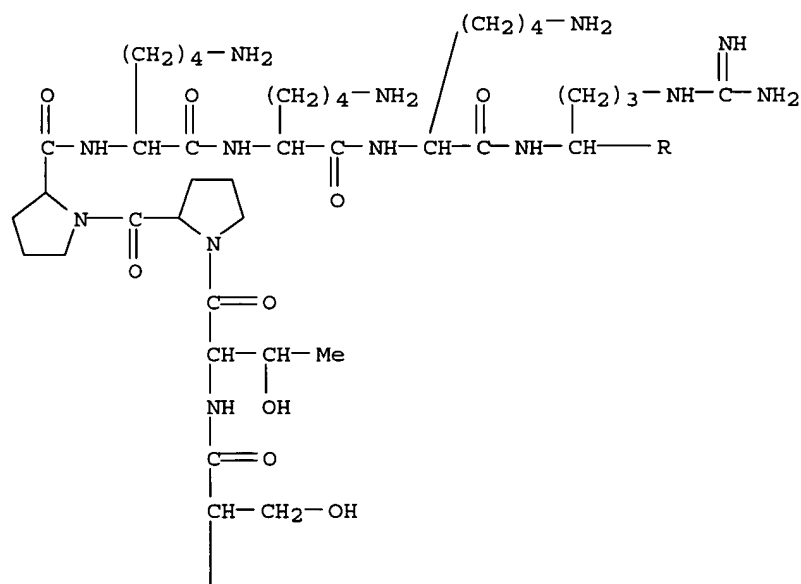
SR CA

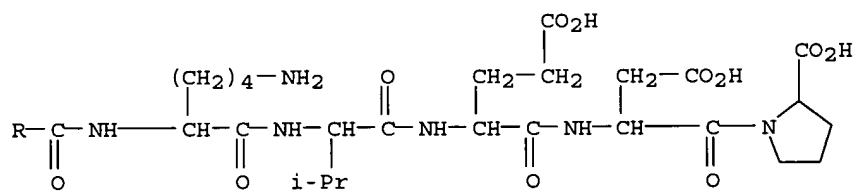
LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

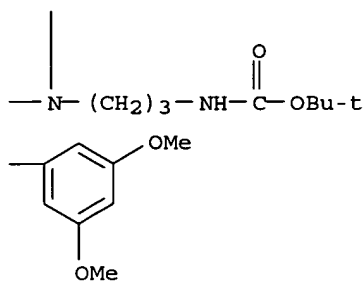
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation);
 RACT (Reactant or reagent)

PAGE 1-A



$$\begin{array}{c} \text{O} \\ || \\ \text{C} - \text{OBu-t} \\ | \end{array}$$
Oc1ccc(cc1)CC(NC(=O)NC(=O)CCNC(=O)CCCCNC(=O)COCC)C(=O)N
$$\begin{array}{c} \text{O} \\ \parallel \\ \text{---O---C---CH}_2\text{---CH}_2\text{---S---S---CH}_2\text{---CH}_2\text{---C---NH---(CH}_2\text{)}_3\text{---N---CH}_2\text{---CH}_2\text{---CH---} \\ \parallel \qquad \qquad \qquad \parallel \qquad \qquad \qquad \parallel \\ \text{O} \qquad \qquad \qquad \text{O} \qquad \qquad \qquad \text{O} \\ \text{OBu-t} \end{array}$$

PAGE 2-C



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 66 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154241-96-0 REGISTRY
 CN L-Proline, N-[11-[2-[(3-aminopropyl)[(1,1-dimethylethoxy)carbonyl]amino]ethyl]-13-[(1,1-dimethylethoxy)carbonyl]-20,20-dimethyl-1,8,18-trioxo-10,19-dioxo-7,13,17-triazaheneicos-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-α-aspartyl-, (S)- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE
 SQL 16
 NTE modified (modifications unspecified)

type	location	description
uncommon	Oaa-1	-
modification	Oaa-1	undetermined modification

SEQ 1 XGYSTPPKKK RKVEDP

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C110 H189 N27 O32

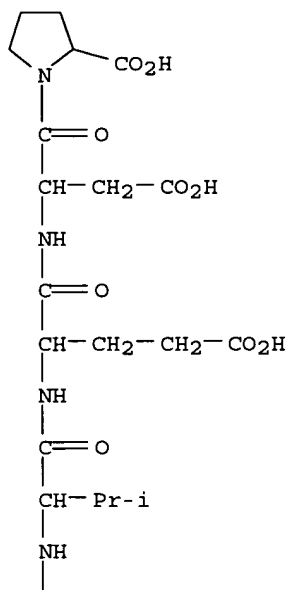
SR CA

LC STN Files: CA, CAPLUS, USPATFULL

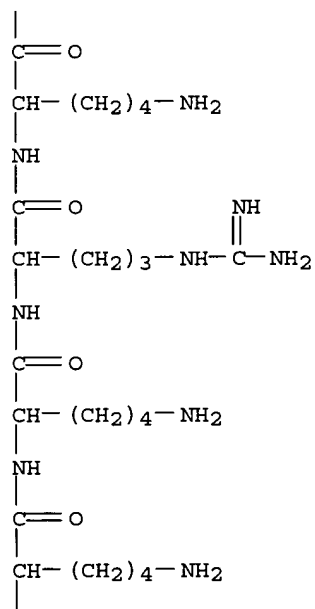
DT.CA Caplus document type: Patent

RLD.P Roles for non-specific derivatives from patents: PREP (Preparation);
 RACT (Reactant or reagent)

PAGE 1-B



PAGE 2-B



$$\begin{array}{c} \text{O} \\ \parallel \\ \text{t-BuO}-\text{C}-\text{NH}-(\text{CH}_2)_3-\text{N}-\text{CH}_2 \\ \parallel \qquad \qquad \qquad \parallel \\ \text{O} \qquad \qquad \qquad \text{t-BuO}-\text{C} \\ \text{H}_2\text{N}-(\text{CH}_2)_3-\text{N}-\text{CH}_2-\text{CH}_2-\text{CH}-\text{O}-\text{CH}_2-\text{C}-\text{NH}-(\text{CH}_2)_5-\text{C}-\text{NH}-\text{CH}_2-\text{C}- \\ \parallel \qquad \qquad \qquad \parallel \qquad \qquad \qquad \parallel \\ \text{O} \qquad \qquad \qquad \text{t-BuO}-\text{C} \qquad \qquad \qquad \text{O} \qquad \qquad \qquad \text{O} \\ \text{HO}-\text{C}_6\text{H}_4-\text{CH}_2- \end{array}$$
[illegible]

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L40  ANSWER 67 OF 92  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   154241-95-9  REGISTRY
CN   L-Proline, N-[13-[(1,1-dimethylethoxy)carbonyl]-11-[2-[[[(1,1-
dimethylethoxy)carbonyl][3-[[[(9H-fluoren-9-ylmethoxy)carbonyl]amino]propyl
]amino]ethyl]-20,20-dimethyl-1,8,18-trioxo-10,19-dioxo-7,13,17-
triazaheneicos-1-yl]glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-
L-lysyl-L-lysyl-L-lysyl-L-arginyl-L-lysyl-L-valyl-L-α-glutamyl-L-
α-aspartyl-, (S)- (9CI)  (CA INDEX NAME)
FS   PROTEIN SEQUENCE
SQL  16
NTE  modified (modifications unspecified)
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Search done by Noble Jarrell

SEQ 1 XGYSTPPKKK RKVEDP

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

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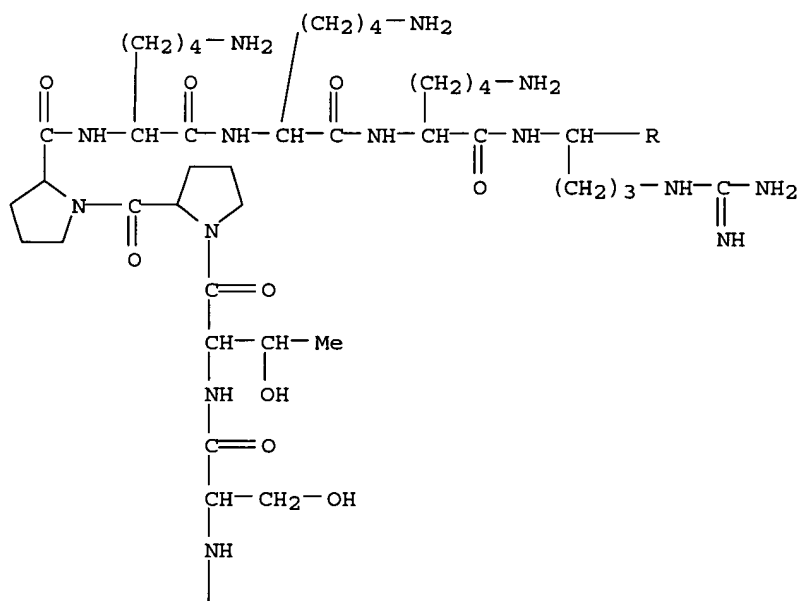
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LC STN Files: CA, CAPLUS, USPATFULL

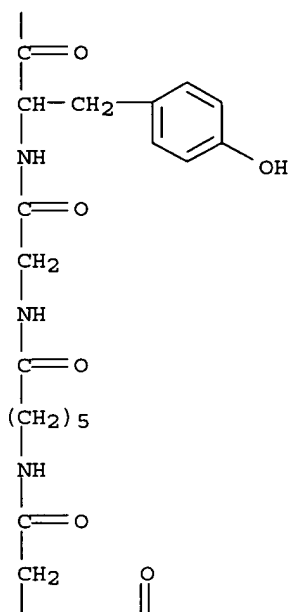
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RLD.P Roles for non-specific derivatives from patents: PREP (Preparation);
 RACT (Reactant or reagent)

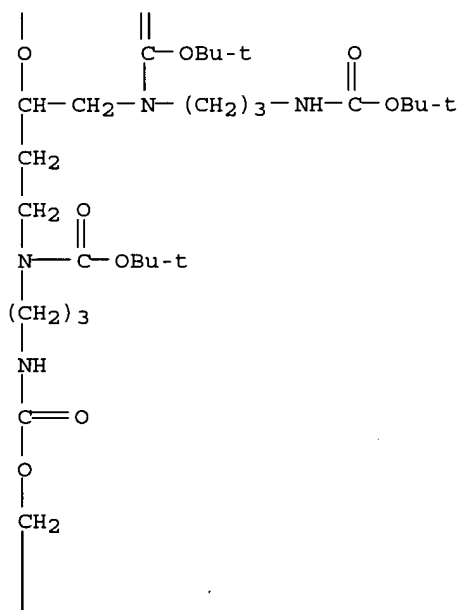
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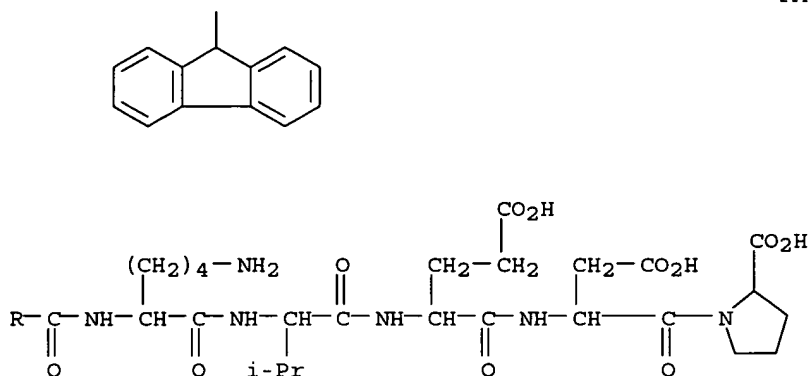
PAGE 2-A



PAGE 3-A



PAGE 4-A



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 68 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154241-84-6 REGISTRY
 CN L-Tryptophanamide, N-(3-carboxy-1-oxopropyl)glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-arginyl-L-arginyl-L-asparaginyll-L-arginyl-L-arginyl-L-arginyl-L-arginyl-, (1-2')-amide with N4-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diaminobutanamide (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 22,13,9
 NTE multichain
 modified (modifications unspecified)

type	location	description
bridge	Gly-1 - Lys-2'	covalent bridge

SEQ 1 GYSTPRRNRR RW

SEQ 1 YKKAKAKAK

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C158 H235 C12 N53 O32

SR CA

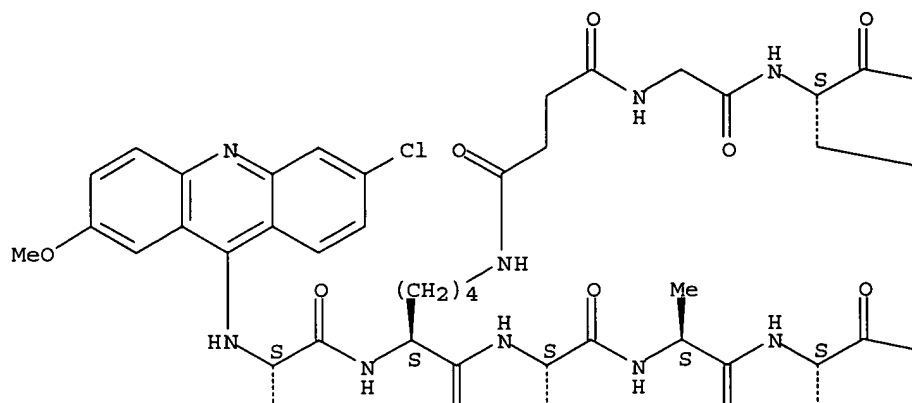
LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

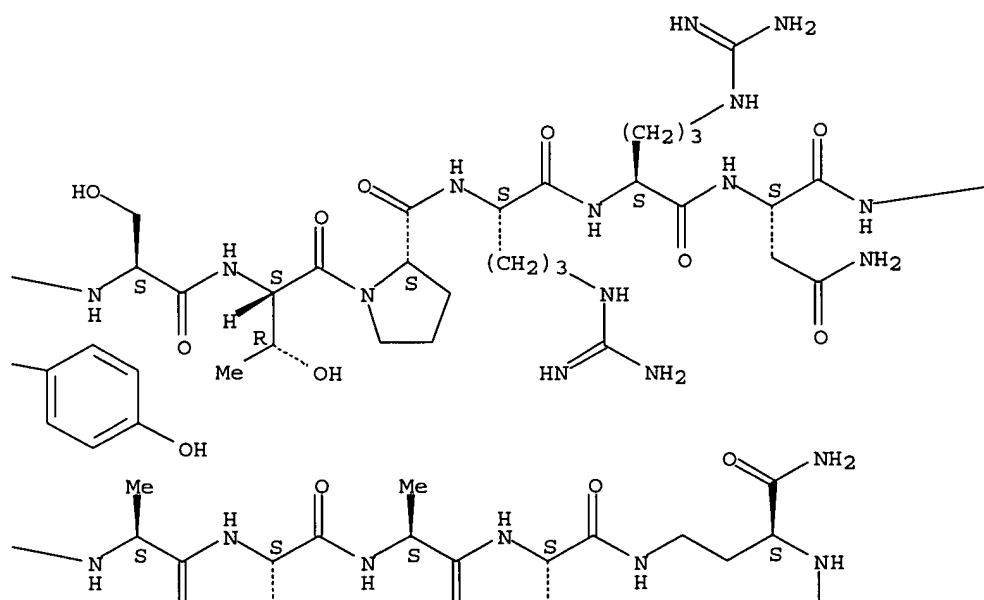
RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

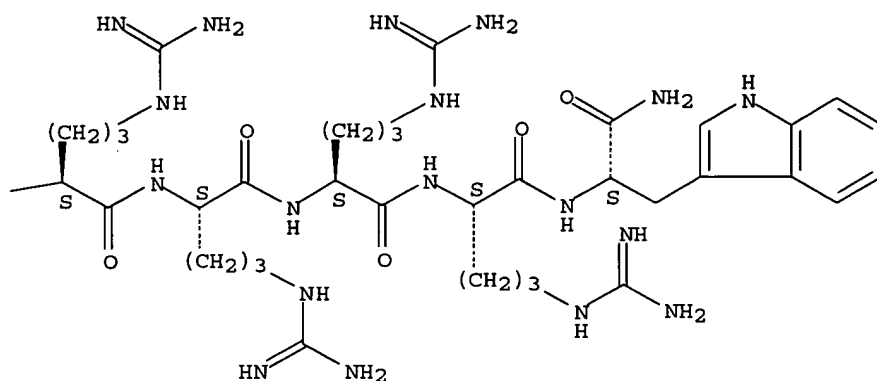
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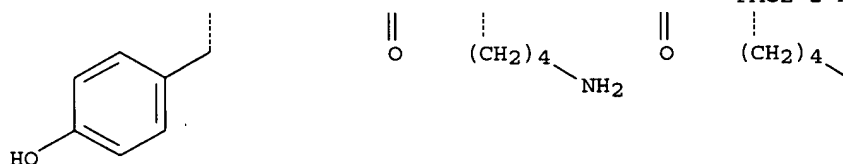
PAGE 1-B



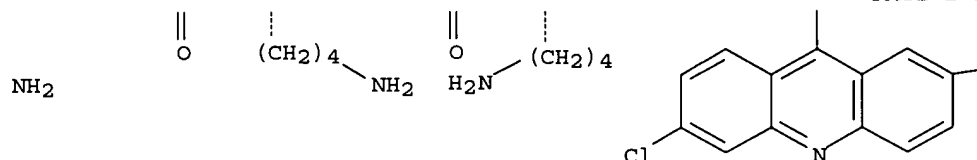
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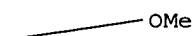
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PAGE 2-B



PAGE 2-C



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 69 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 154241-83-5 REGISTRY
CN L-Argininamide, N-(3-carboxy-1-oxopropyl)glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolylglycyl-L-arginyl-L-lysyl-L-lysyl-, (1→2')-amide with N4-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diaminobutanamide (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 19,10,9
NTE multichain
modified (modifications unspecified)

type	location	description
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Search done by Noble Jarrell

bridge Gly-1 - Lys-2' covalent bridge

SEQ 1 GYSTPGRKKR

SEQ 1 YKKAKAKAK

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C133 H198 C12 N38 O28

SR CA

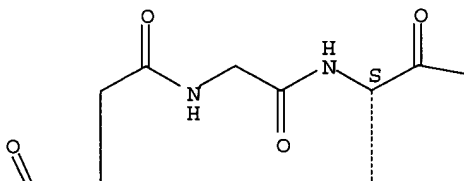
LC STN Files: CA, CAPLUS, USPATFULL

DT.CA CAplus document type: Patent

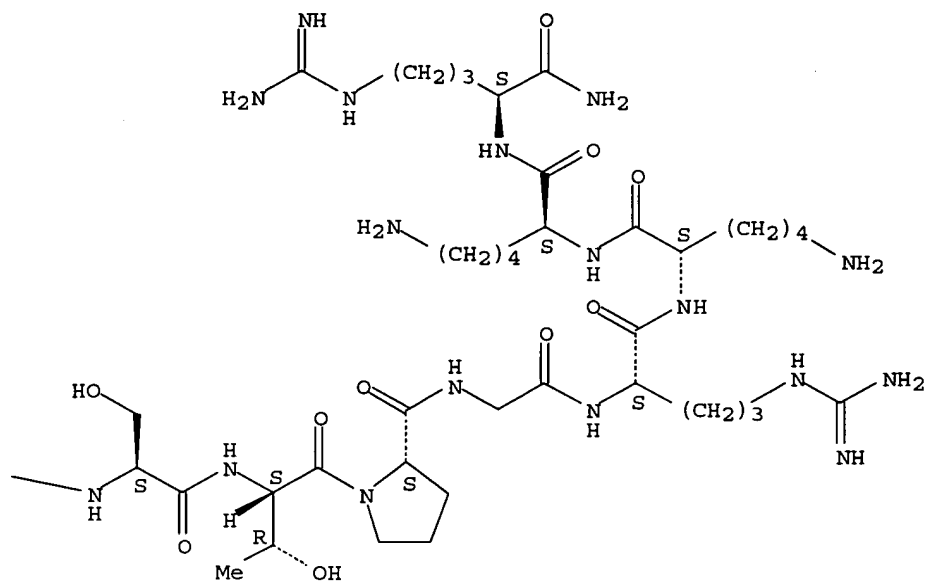
RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

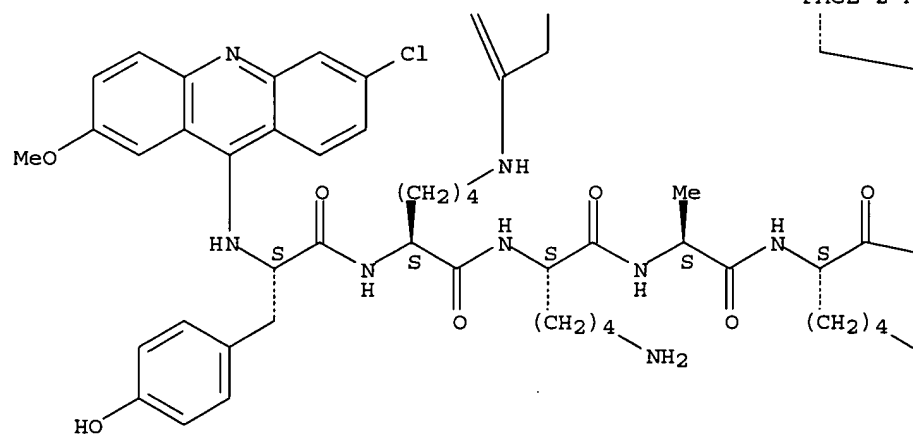
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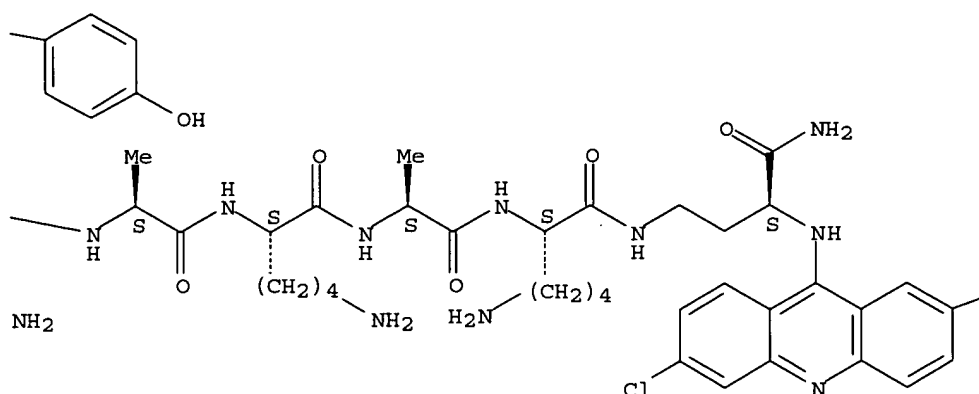
PAGE 1-B



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/ OMe

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 70 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154241-82-4 REGISTRY
 CN L-Prolinamide, N-(3-carboxy-1-oxopropyl)glycyl-L-tyrosyl-L-seryl-L-threonyl-L-prolyl-L-prolyl-L-lysyl-L-threonyl-L-arginyl-L-arginyl-L-arginyl-, (1->2')-amide with N4-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diaminobutanamide (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 21,12,9
 NTE multichain
 modified (modifications unspecified)

type	location	description
bridge	Gly-1 - Lys-2'	covalent bridge

SEQ 1 GYSTPPKTRR RP

SEQ 1 YKKAKAKAK

RELATED SEQUENCES AVAILABLE WITH SEQLINK

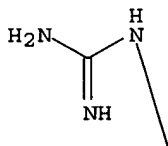
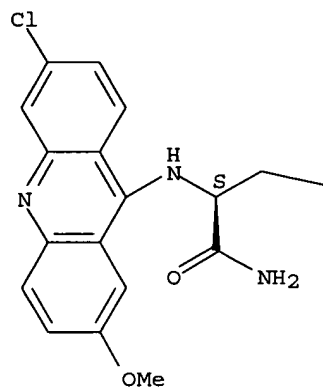
MF C145 H216 C12 N42 O31

Search done by Noble Jarrell

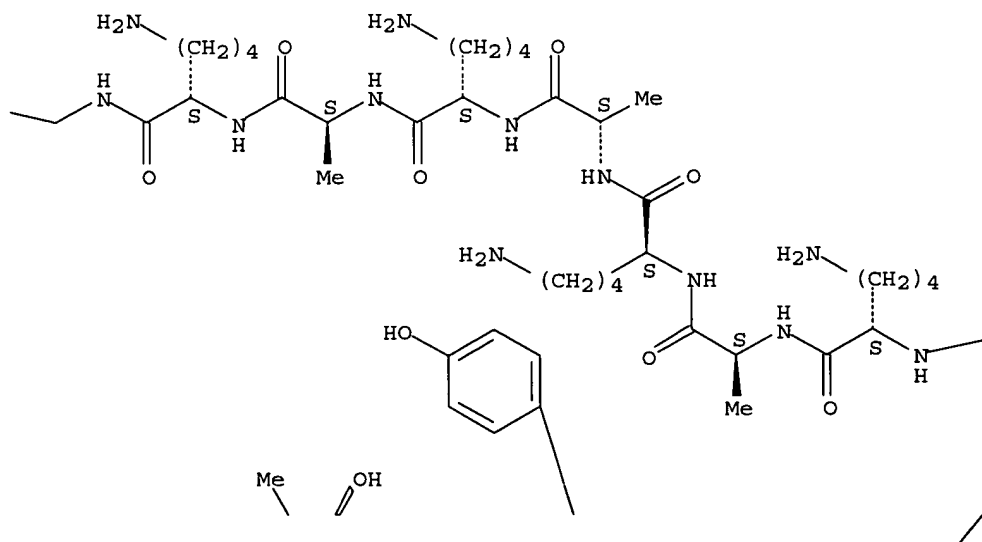
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA Caplus document type: Patent
RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

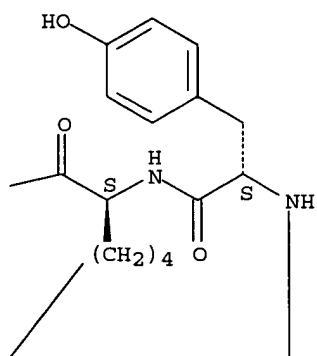
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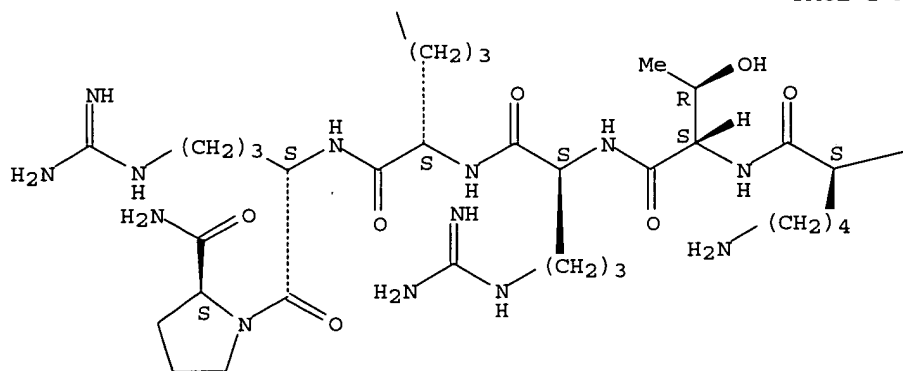
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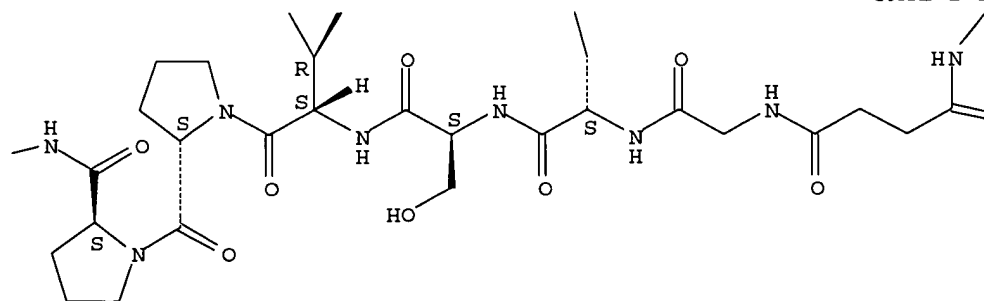
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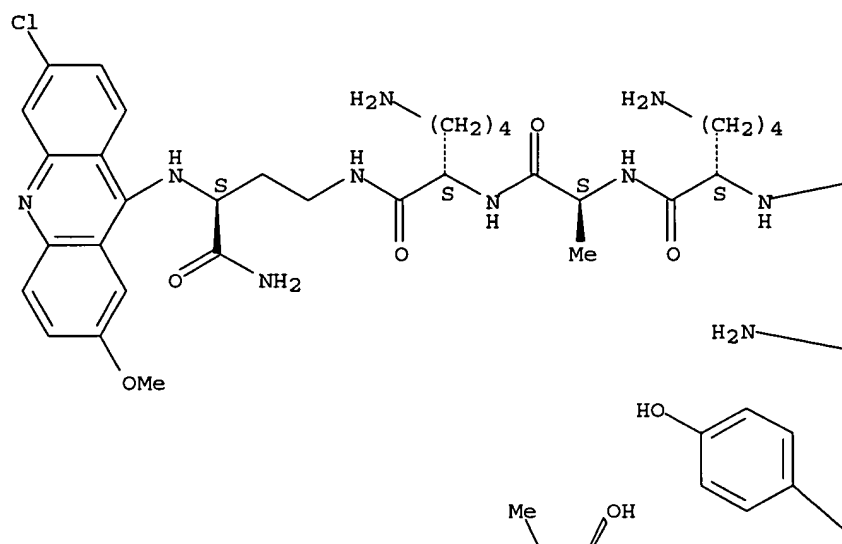
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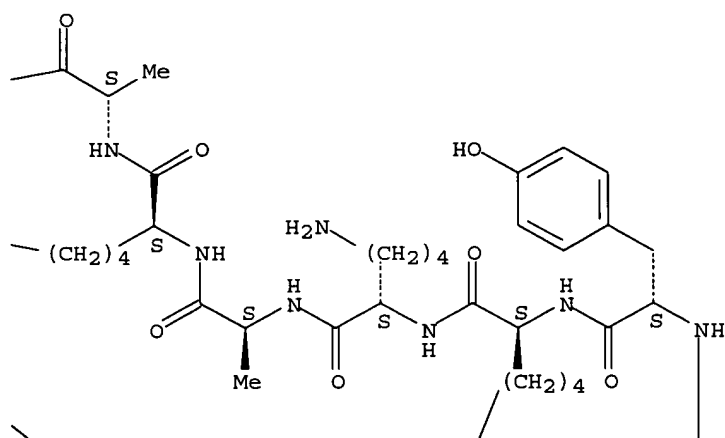
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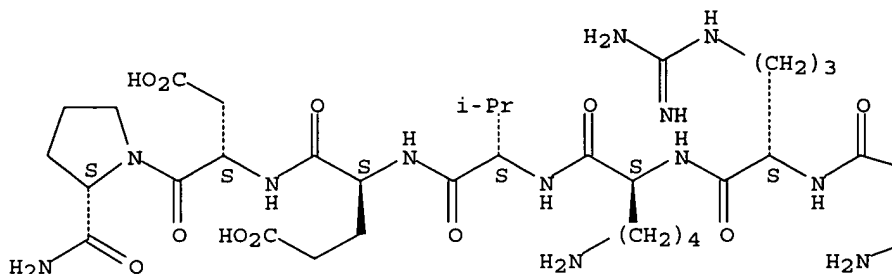
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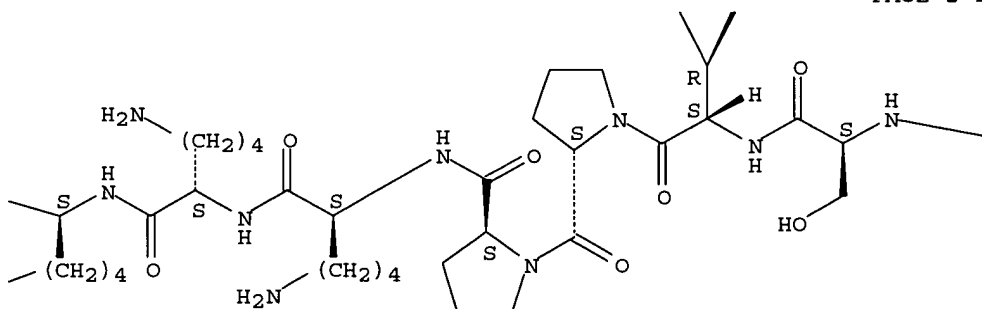
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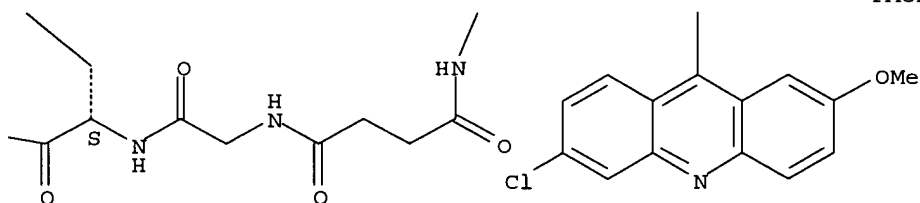
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1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 72 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN

RN 154241-80-2 REGISTRY

CN Butanamide, N4-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl-N6-[6-(carboxyamino)-1-oxohexyl]-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diamino-, (2→1')-amide with L-tyrosyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-2,4-diaminobutanamide (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 16,9,7

NTE multichain

modified (modifications unspecified)

type	location	description
bridge	Lys-2 - Lys-1'	covalent bridge

Search done by Noble Jarrell

SEQ 1 YKKAKAKAK

SEQ 1 KAKAKAK

MF C120 H186 Cl2 N32 O22

SR CA

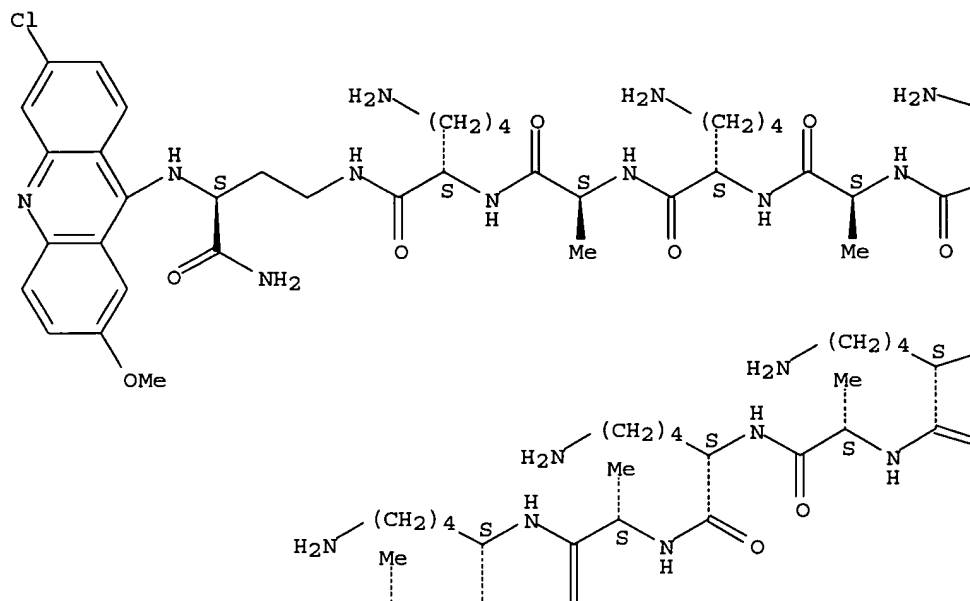
LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

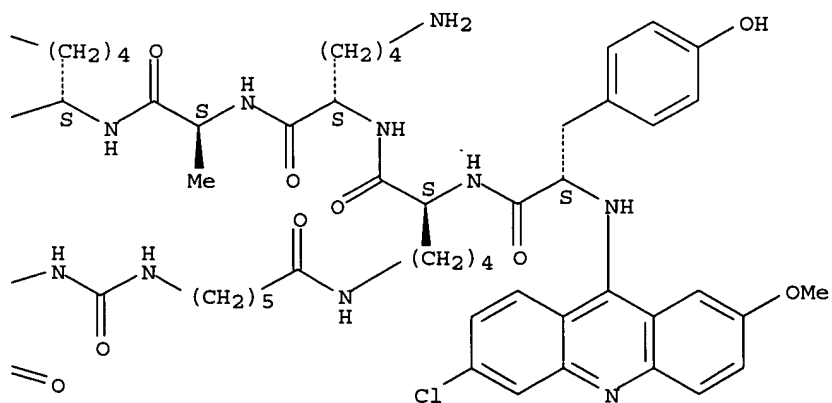
RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

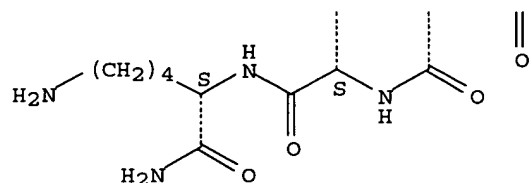
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1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 73 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154241-79-9 REGISTRY
 CN Glycinamide, N2-[[[(5-carboxypentyl)amino]carbonyl]-L-arginyl-L-lysyl-L-lysyl-L-arginylglycyl-L-prolyl-L-threonyl-L-seryl-L-tyrosyl-, (1→2')-amide with N4-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diaminobutanamide (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 19,10,9
 NTE multichain
 modified (modifications unspecified)

type	location	description
bridge	Arg-1 - Lys-2'	covalent bridge

SEQ 1 RKKRGPTSYG

SEQ 1 YKKAKAKAK

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C136 H205 C12 N39 O28

SR CA

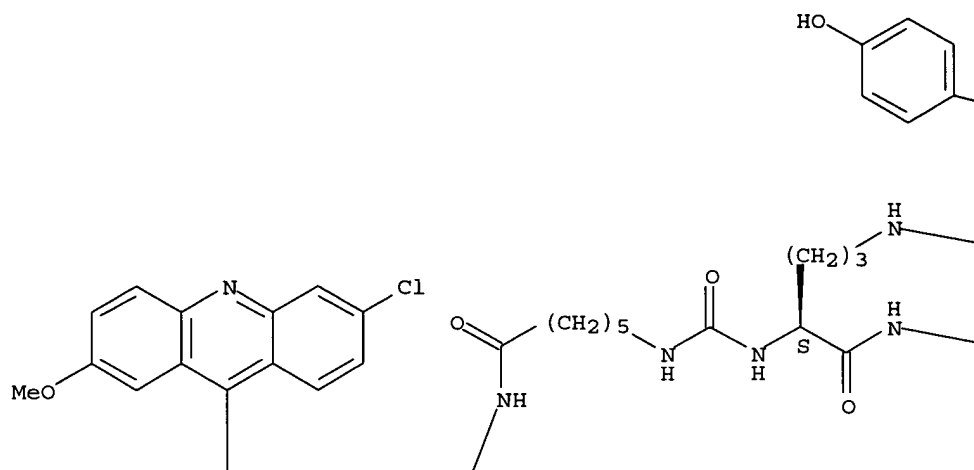
LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Cplus document type: Patent

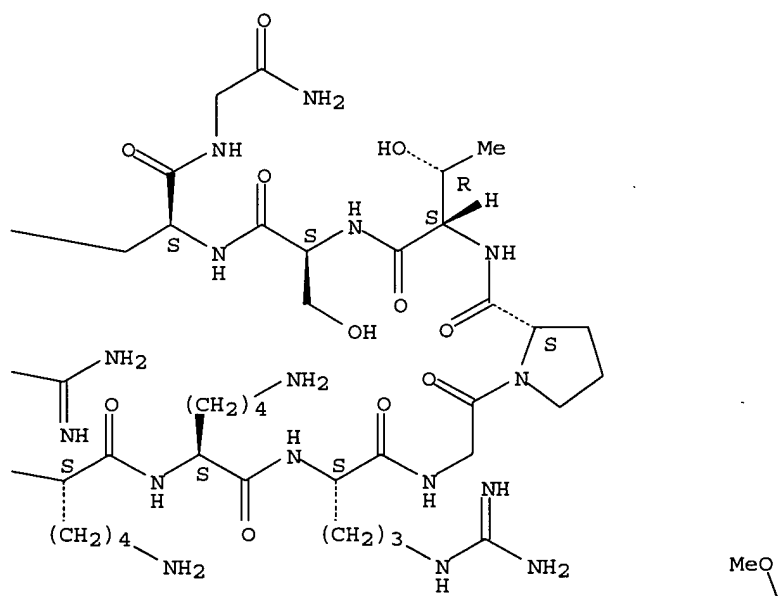
RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

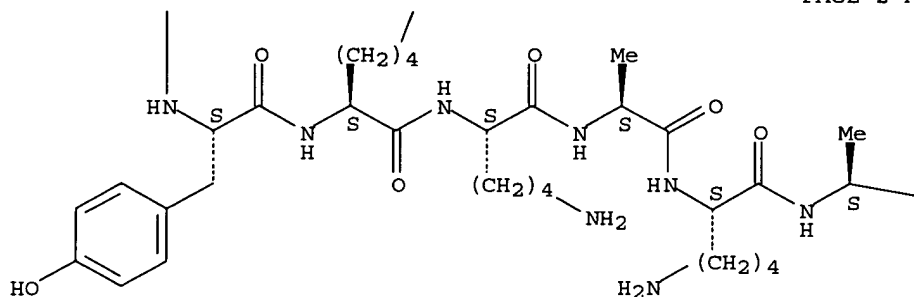
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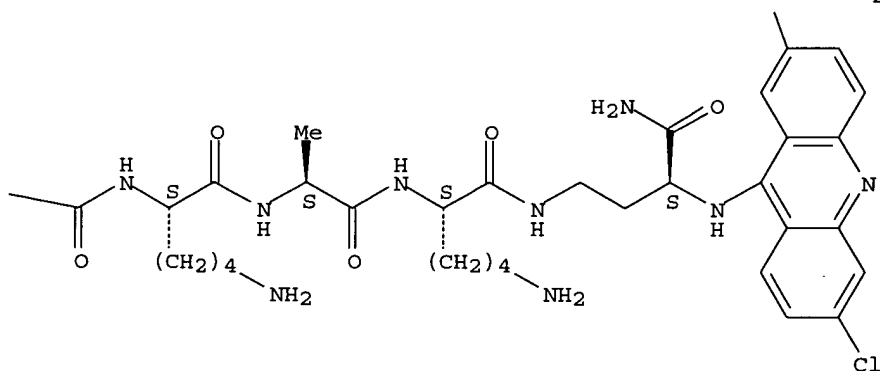
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1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 74 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154241-78-8 REGISTRY
 CN Glycinamide, 1-[[[(5-carboxypentyl)amino]carbonyl]-L-prolyl-L-arginyl-L-arginyl-L-arginyl-L-threonyl-L-lysyl-L-prolyl-L-prolyl-L-threonyl-L-seryl-L-tyrosyl-, (1→2')-amide with N4-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diaminobutanamide (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 21,12,9
 NTE multichain
 modified (modifications unspecified)

type	location	description
bridge	Pro-1 - Lys-2'	covalent bridge

SEQ 1 PRRRTKPPTS YG

SEQ 1 YKKAKAKAK

MF C148 H223 C12 N43 O31

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

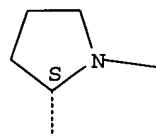
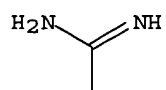
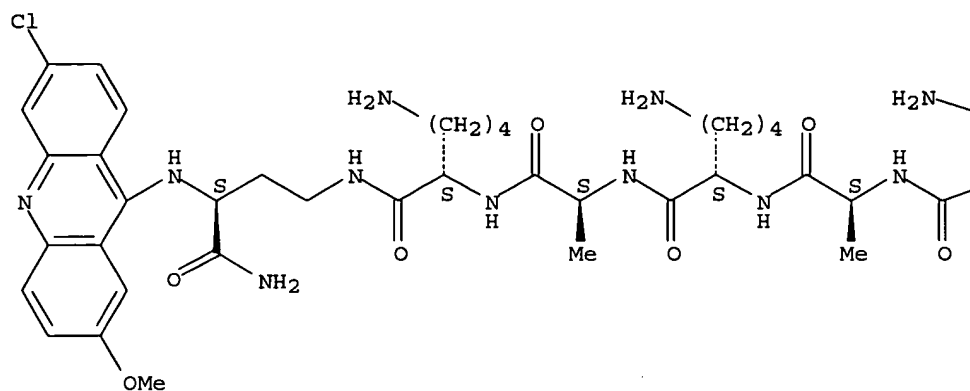
DT.CA Caplus document type: Patent

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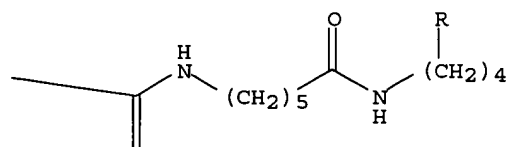
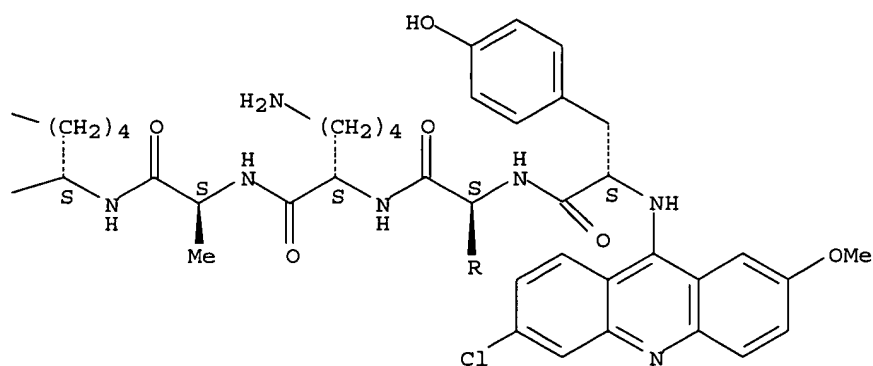
Absolute stereochemistry.

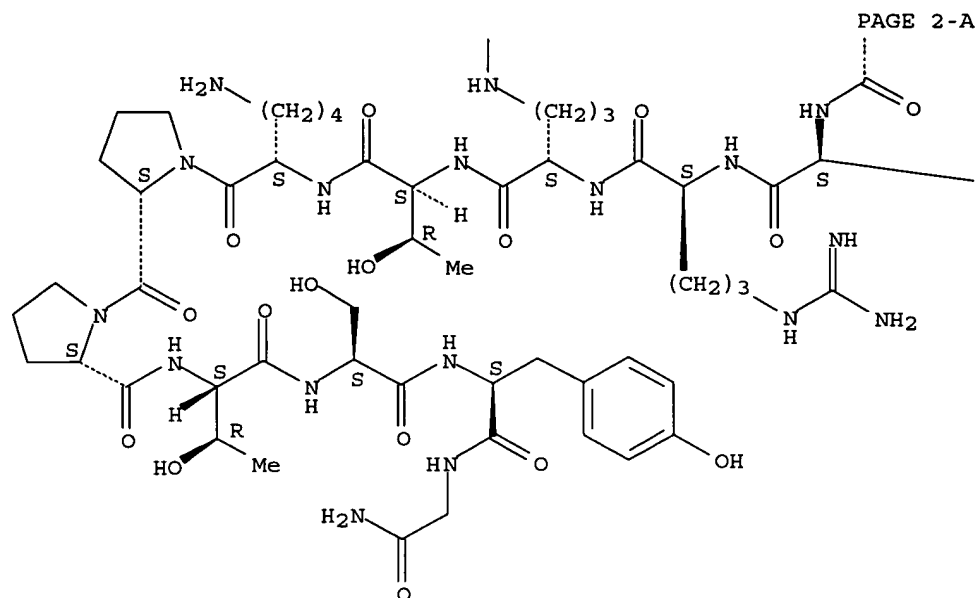
Search done by Noble Jarrell

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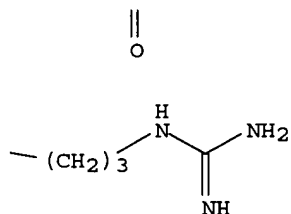


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 75 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 154241-77-7 REGISTRY
CN Glycinamide, 1-[[[(5-carboxypentyl)amino]carbonyl]-L-prolyl-L- α -aspartyl-L- α -glutamyl-L-valyl-L-lysyl-L-arginyl-L-lysyl-L-lysyl-L-lysyl-L-prolyl-L-prolyl-L-threonyl-L-seryl-L-tyrosyl-, (1 \rightarrow 2')-amide with N4-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl-L-lysyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl-L-alanyl-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diaminobutanamide (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 24,15,9
NTE multichain
modified (modifications unspecified)

type	location	description
bridge	Pro-1 - Lys-2'	covalent bridge

SEQ 1 PDEVKRKKKP PTSYG

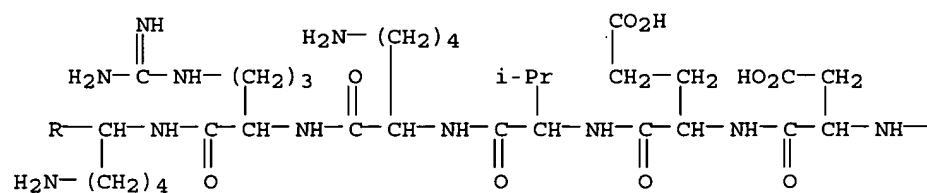
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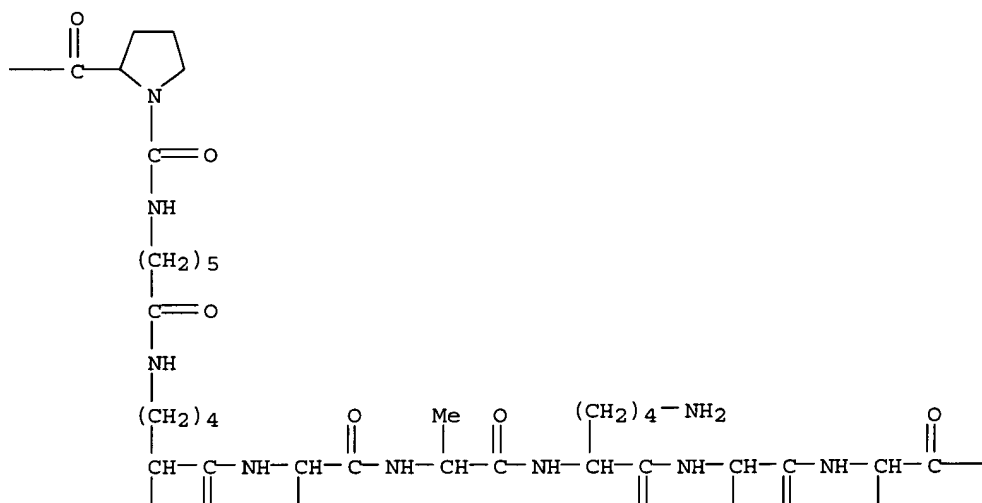
MF C164 H249 C12 N43 O37

Search done by Noble Jarrell

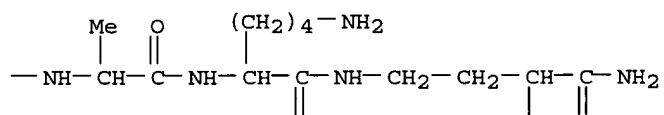
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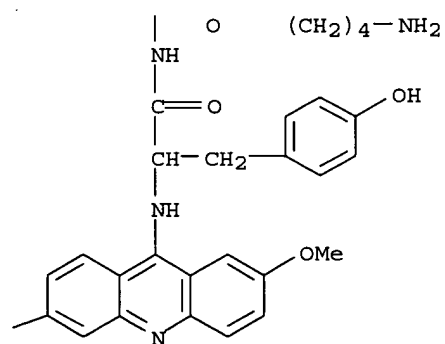


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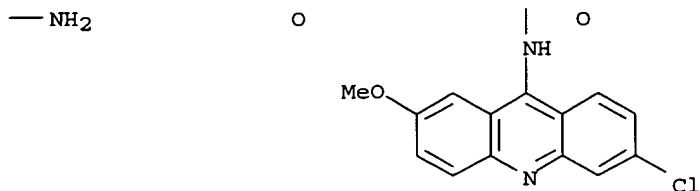
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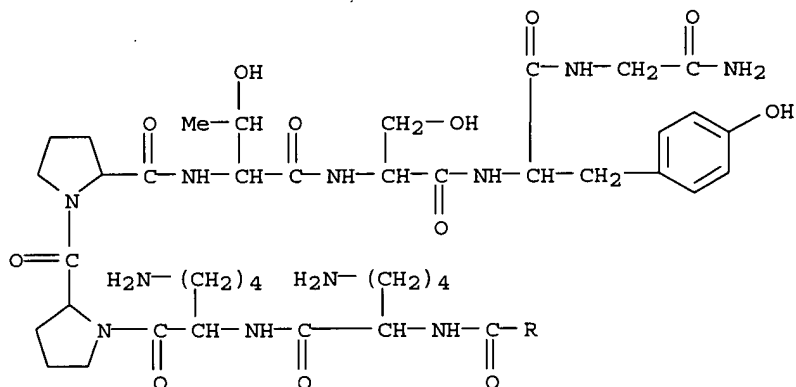
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 $(\text{CH}_2)_4-$

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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 76 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 154241-76-6 REGISTRY
CN Butanamide, N2-(6-chloro-2-methoxy-9-acridinyl)-N4-[N2-[N-[N2-[N-[N2-[N-[N2-[N2-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl]-N6-[6-[(3-mercapto-1-oxopropyl)amino]-1-oxohexyl]-L-lysyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-2,4-diamino- (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)

SEQ 1 YKKAKAKAK

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C89 H126 Cl2 N20 O15 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RLD.P Roles for non-specific derivatives from patents: PREP (Preparation)

Absolute stereochemistry.

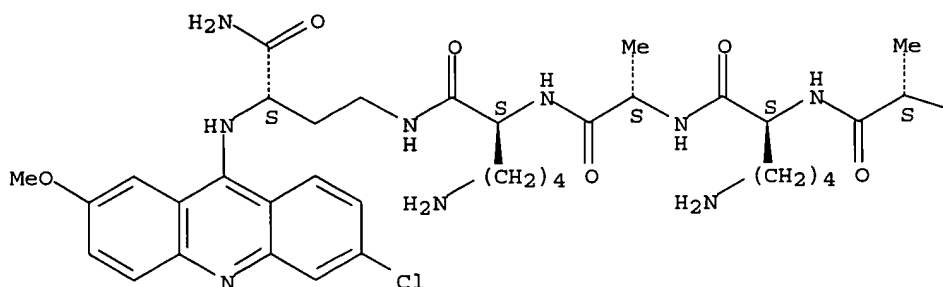
LC STN Files: CA, CAPLUS, USPATFULL

DT.CA Caplus document type: Patent

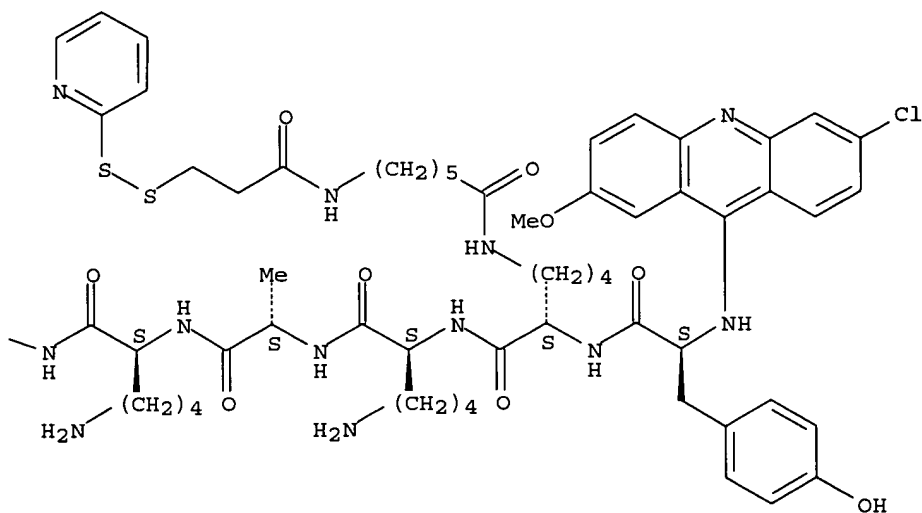
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.

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1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 78 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN

RN 154241-74-4 REGISTRY

CN Butanamide, N2-(6-chloro-2-methoxy-9-acridinyl)-N4-[N2-[N-[N2-[N-[N2-[N-[N2-[N2-[N2-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl]-N6-[4-[[2-[[3-[(dihydro-2(3H)-thienylidene)amino]-3-oxopropyl]dithio]ethyl]amino]-1,4-dioxobutyl]-L-lysyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-

Search done by Noble Jarrell

alanyl]-L-lysyl]-L-2,4-diamino- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 9
 NTE modified (modifications unspecified)

SEQ 1 YKKAKAKAK

RELATED SEQUENCES AVAILABLE WITH SEQLINK

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SR CA

LC STN Files: CA, CAPLUS, USPATFULL

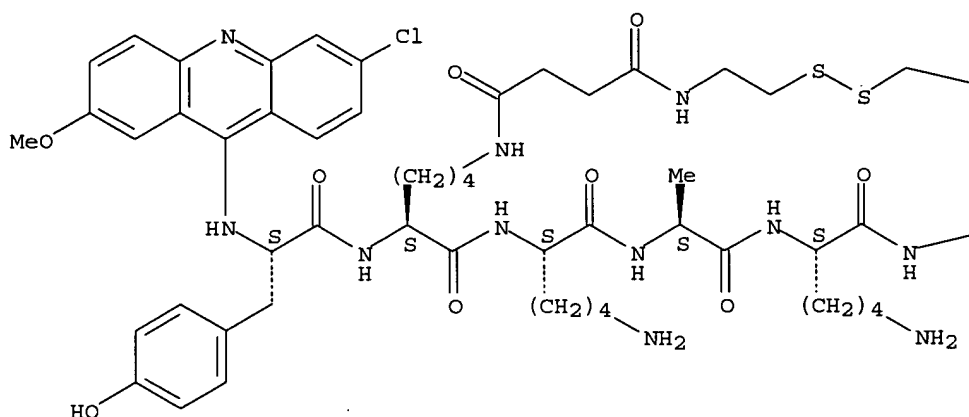
DT.CA Caplus document type: Patent

RLD.P Roles for non-specific derivatives from patents: PREP (Preparation)

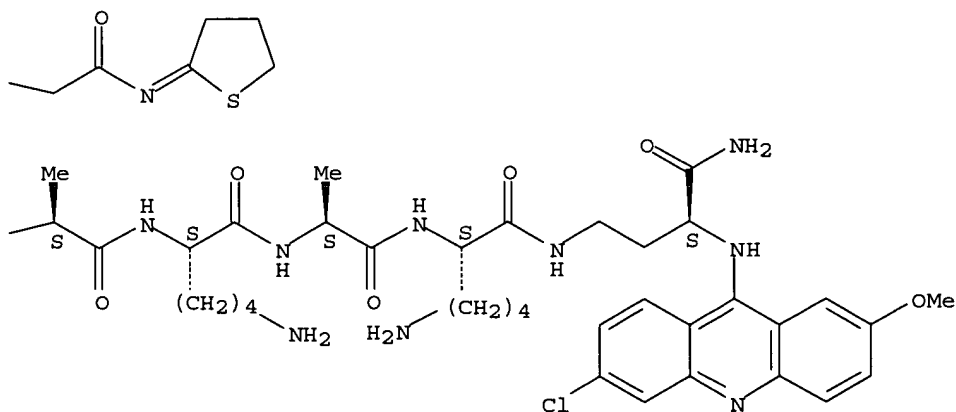
Absolute stereochemistry.

Double bond geometry unknown.

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1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 79 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154241-73-3 REGISTRY

Search done by Noble Jarrell

SEQ 1 YKKAKAKAK

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MF C86 H120 Cl2 N20 O15 S

SR CA

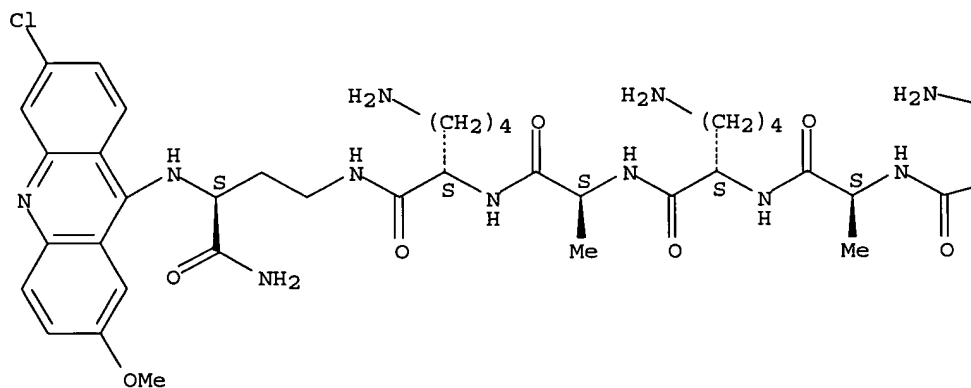
LC STN Files: CA, CAPLUS, USPATFULL

DT.CA CAplus document type: Patent

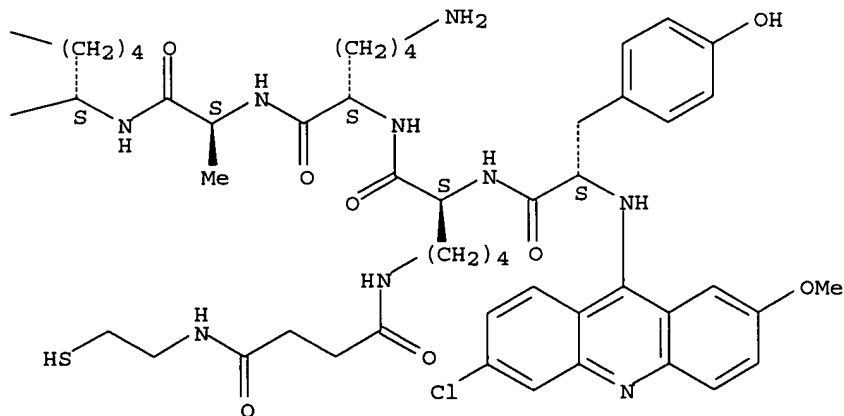
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.

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PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)

Search done by Noble Jarrell

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 80 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154241-72-2 REGISTRY
 CN Butanamide, N4-[N2-[N-[N2-[N-[N2-[N6-[4-[[2-[(2-aminoethyl)dithio]ethyl]amino]-1,4-dioxobutyl]-N2-[N-(6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl]-L-lysyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-N2-(6-chloro-2-methoxy-9-acridinyl)-L-2,4-diamino- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 9
 NTE modified (modifications unspecified)

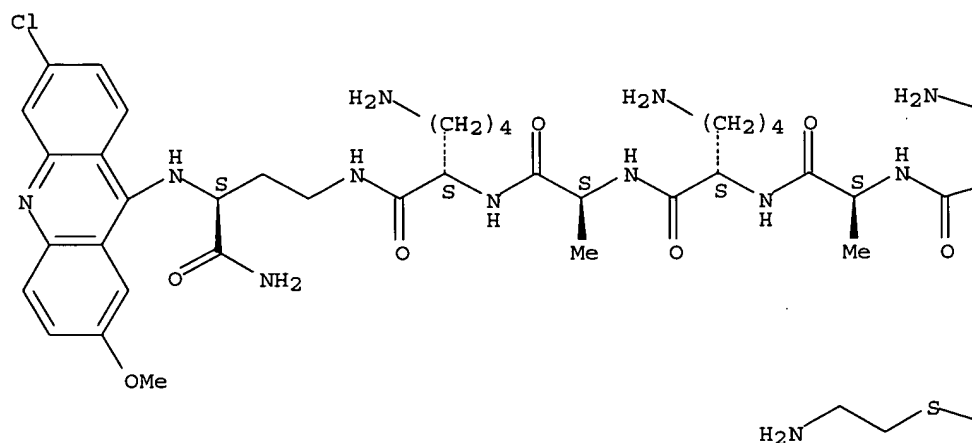
SEQ 1 YKKAKAKAK

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C88 H125 Cl2 N21 O15 S2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL
 DT.CA Cplus document type: Patent
 RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

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Chemical structure of compound 10, showing a quinoline core substituted with a 4-methoxyphenyl group, a 4-hydroxybenzyl group, and a long chain containing a thioether, amide, and carbamate group.

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L40 ANSWER 81 OF 92  REGISTRY  COPYRIGHT 2005 ACS on STN
RN 154241-71-1  REGISTRY
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OTHER CA INDEX NAMES:
CN 1,2-Dithiolane, butanamide deriv.
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 9
NTE modified (modifications unspecified)
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SEQ 1 YKKAKAKAK

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C96 H137 Cl2 N21 O16 S4

SR CA

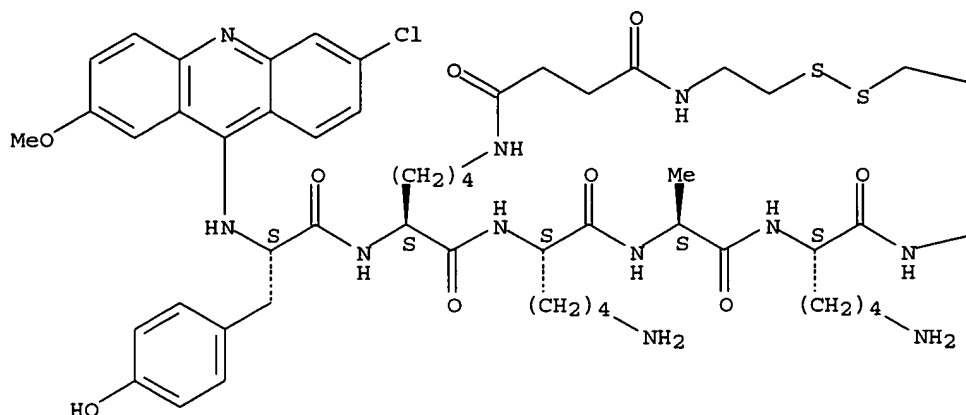
LC STN Files: CA, CAPLUS, USPATFULL

DT.CA CPlus document type: Patent

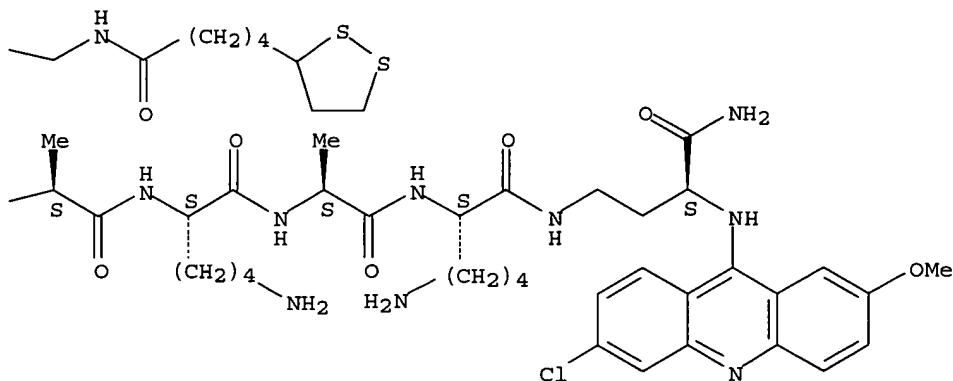
RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 82 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154241-70-0 REGISTRY
 CN Butanamide, N2- (6-chloro-2-methoxy-9-acridinyl)-N4- [N2- [N- [N2- [N- [N2- [N2- [N2- [N- (6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl]-N6- [4- [[2- [[2- [[5- (hexahydro-2-oxo-1H-thieno [3,4-d]imidazol-4-yl)-1-oxopentyl]amino]ethyl]dithio]ethyl]amino]-1,4-dioxobutyl]-L-lysyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-2,4-diamino-, [3aS- (3α,4β,6α)]- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1H-Thieno [3,4-d]imidazole, butanamide deriv.
 FS PROTEIN SEQUENCE
 SQL 9
 NTE modified (modifications unspecified)

SEQ 1 YKKAKAKAK

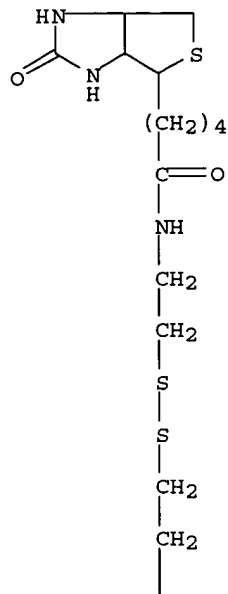
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MF C98 H139 Cl2 N23 O17 S3

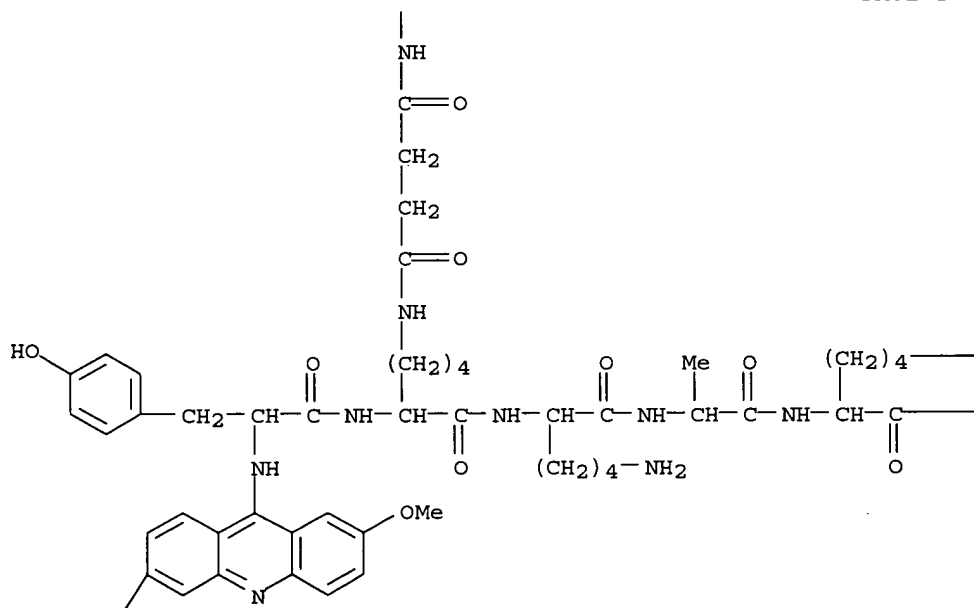
SR CA

LC STN Files: CA, CAPLUS, USPATFULL
 DT.CA CPlus document type: Patent
 RL.P Roles from patents: PREP (Preparation)

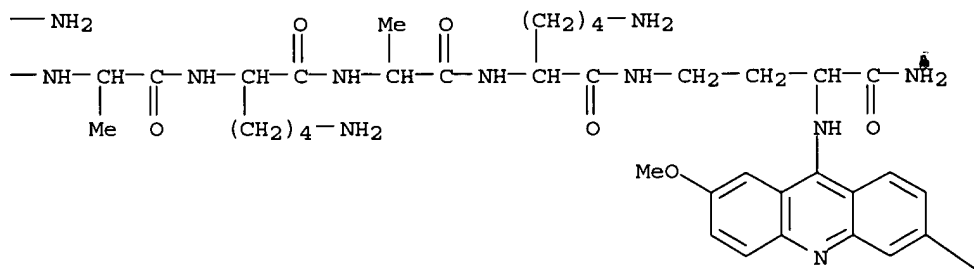
PAGE 1-A



PAGE 2-A



PAGE 2-B



PAGE 3-A

Cl

PAGE 3-B

PAGE 3-C

Cl

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 83 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 154241-69-7 REGISTRY
 CN Butanamide, N4- [N2- [N- [N2- [N- [N2- [N- [N2- [N6- [4- [[2- [[2- [[4- [[4- [[(2-amino-1,4-dihydro-4-oxo-6-pteridinyl)methyl]amino]benzoyl]amino]-4-carboxy-1-oxobutyl]amino]ethyl]dithio]ethyl]amino]-1,4-dioxobutyl]-N2- [N- (6-chloro-2-methoxy-9-acridinyl)-L-tyrosyl]-L-lysyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-L-alanyl]-L-lysyl]-N2- (6-chloro-2-methoxy-9-acridinyl)-L-2,4-diamino- (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 10,9,1
 NTE multichain
 modified (modifications unspecified)

type	location	description
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Search done by Noble Jarrell

bridge Lys-2 - Gln-1' covalent bridge

SEQ 1 YKKAKAKAK

SEQ 1 Q

MF C107 H142 Cl2 N28 O20 S2

SR CA

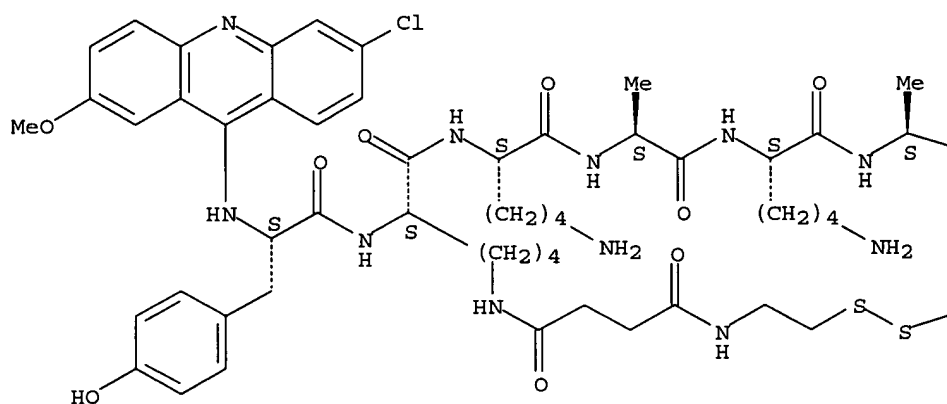
LC STN Files: CA, CAPLUS, USPATFULL

DT.CA CAplus document type: Patent

RL.P Roles from patents: PREP (Preparation)

Absolute stereochemistry.

PAGE 1-A



[illegible]NC1=NC(=C2C(=N1)N=CN2)CN

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L40  ANSWER 84 OF 92  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   144315-69-5  REGISTRY
CN   Hexadecanamide, (2S)-2,4-bis[(1-oxohexadecyl)amino]butanoyl-L-isoleucyl-L-
      arginyl-L-isoleucyl-L-glutaminy-L-arginylglycyl-L-prolylglycyl-L-arginyl-
      L-alanyl-L-phenylalanyl-L-valyl-L-threonyl-L-isoleucylglycyl-L-lysyl-2-
      amino- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   L-Lysinamide, N2,N4-bis(1-oxohexadecyl)-L-2,4-diaminobutanoyl-L-isoleucyl-
      L-arginyl-L-isoleucyl-L-glutaminy-L-arginylglycyl-L-prolylglycyl-L-
      arginyl-L-alanyl-L-phenylalanyl-L-valyl-L-threonyl-L-isoleucylglycyl-N-[1-
      (aminocarbonyl)pentadecyl]-
FS   PROTEIN SEQUENCE; STEREOSEARCH
SQL  18
NTE  modified (modifications unspecified)
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type	location			description
uncommon	Dab-1	-	-	
uncommon	Aaa-18	-	-	

Search done by Noble Jarrell

***RELATED SEQUENCES AVAILABLE WITH SEQLINK**

MF C131 H237 N31 O22

SR CA

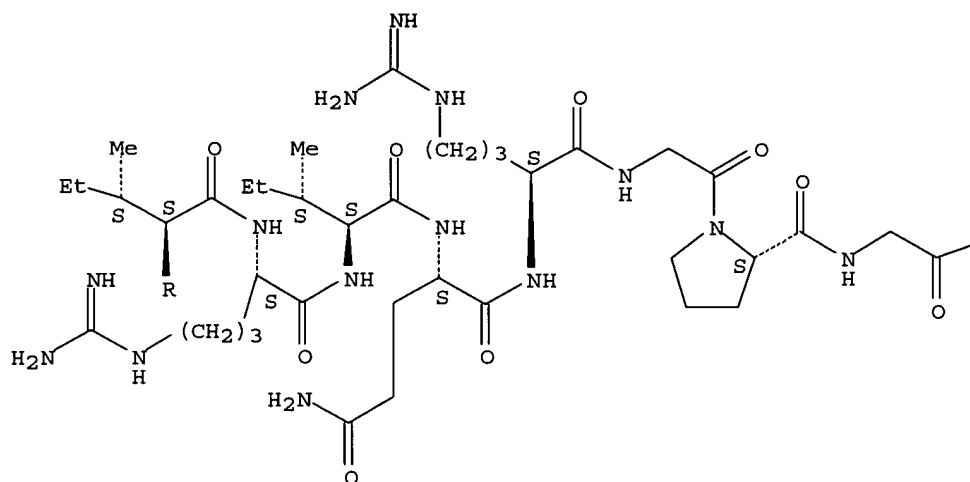
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

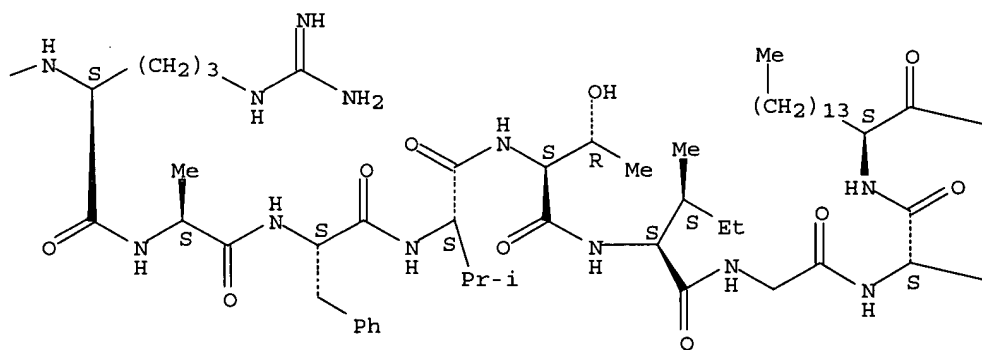
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



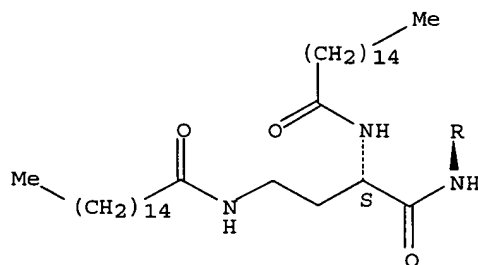
PAGE 1-B



PAGE 1-C

—NH₂—(CH₂)₄NH₂

PAGE 2-A



2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 85 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN

RN 144315-67-3 REGISTRY

CN Hexadecanamide, (2S)-2,4-bis[(1-oxohexadecyl)amino]butanoyl-L-threonyl-L-tyrosyl-L-glutaminyl-L-arginyl-L-threonyl-L-arginyl-L-alanyl-L-leucyl-L-valyl-L-threonylglycyl-2-amino- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glycinamide, N2,N4-bis(1-oxohexadecyl)-L-2,4-diaminobutanoyl-L-threonyl-L-tyrosyl-L-glutaminyl-L-arginyl-L-threonyl-L-arginyl-L-alanyl-L-leucyl-L-valyl-L-threonyl-N-[1-(aminocarbonyl)pentadecyl]-

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 13

NTE modified (modifications unspecified)

type	location			description
uncommon	Dab-1	-	-	
uncommon	Aaa-13	-	-	

SEQ 1 XTYQTRALV TGX

MF C106 H192 N22 O20

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

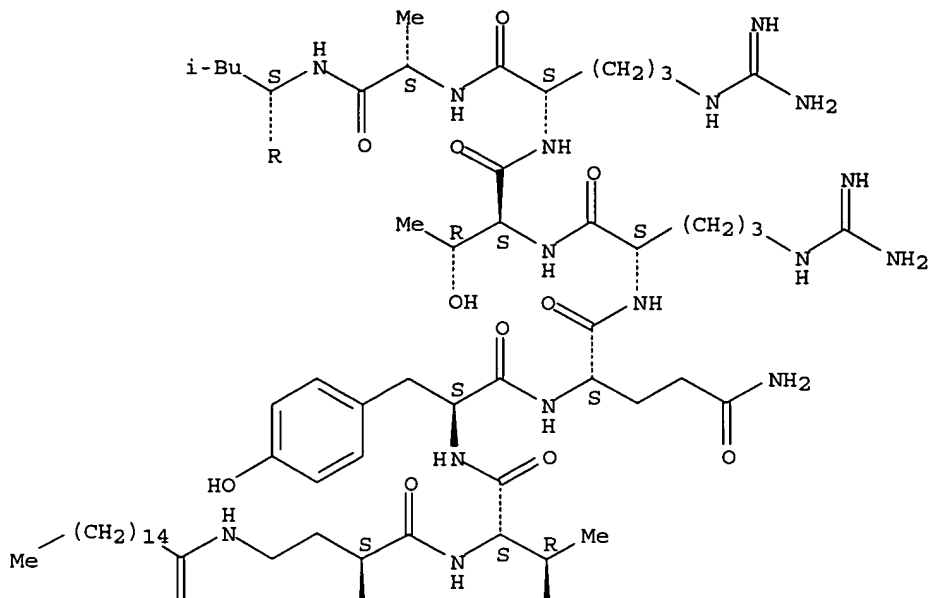
DT.CA Caplus document type: Patent

Search done by Noble Jarrell

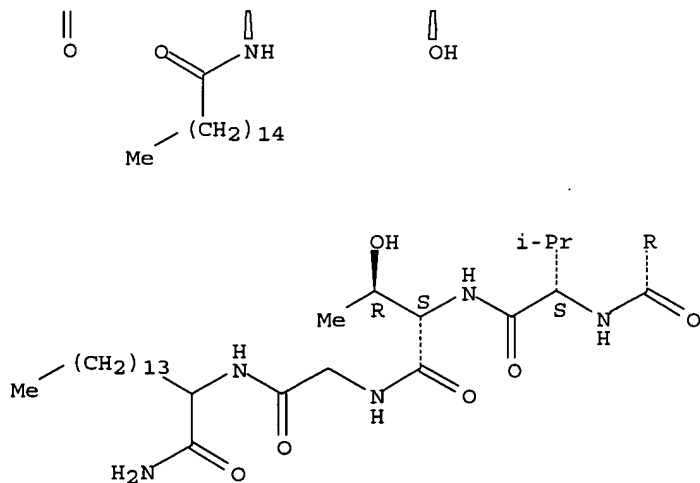
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 86 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 99032-33-4 REGISTRY
CN Polymyxin E2, 1-[N2-(6-methyl-1-oxoheptyl)-N4-(sulfomethyl)-L-2,4-diaminobutanoic acid]-3-[N4-(sulfomethyl)-L-2,4-diaminobutanoic acid]-5-[N4-(sulfomethyl)-L-2,4-diaminobutanoic acid]-9-[N4-(sulfomethyl)-L-2,4-diaminobutanoic acid]-, tetrasodium salt (9CI) (CA INDEX NAME)

Search done by Noble Jarrell

OTHER CA INDEX NAMES:

CN 1,4,7,10,13,16,19-Heptaazacyclotricosane, cyclic peptide deriv.

FS PROTEIN SEQUENCE

SQL 10

NTE modified (modifications unspecified)

type	-----	location	-----	description
bridge	Dab-4	-	Thr-10	lactam
uncommon	Dab-1	-	-	-
uncommon	Dab-3	-	-	-
uncommon	Dab-4	-	-	-
uncommon	Dab-5	-	-	-
uncommon	Dab-8	-	-	-
uncommon	Dab-9	-	-	-
stereo	Leu-6	-	-	D

SEQ 1 XTXXXLLXXT

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C56 H106 N16 O25 S4 . 4 Na

SR CA

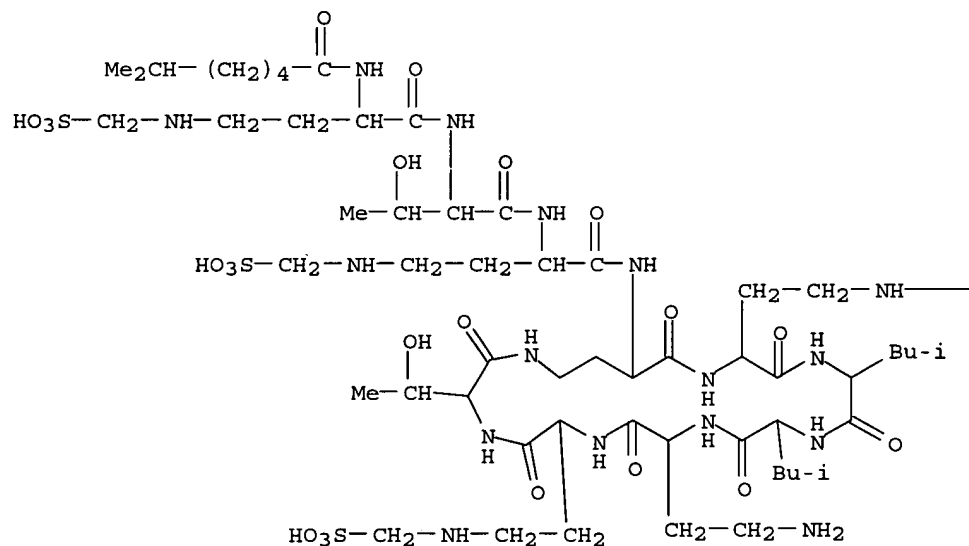
LC STN Files: CA, CAPLUS, TOXCENTER

DT.CA Caplus document type: Patent

RLD.P Roles for non-specific derivatives from patents: PREP (Preparation)

CRN (30387-41-8)

PAGE 1-A



PAGE 1-B

—CH₂—SO₃H ● 4 Na

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 87 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 86408-36-8 REGISTRY
 CN Polymyxin B1, 1-de[(2S)-4-amino-2-[(6-methyl-1-oxooctyl)amino]butanoic acid]- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1,4,7,10,13,16,19-Heptaazacyclotricosane, cyclic peptide deriv.
 CN Polymyxin B1, 1-de[N2-(6-methyl-1-oxooctyl)-L-2,4-diaminobutanoic acid]-
 OTHER NAMES:
 CN Polymyxin B nonapeptide
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 9
 NTE

type	location	description
bridge	Dab-3 - Thr-9	lactam
uncommon	Dab-2 -	-
uncommon	Dab-3 -	-
uncommon	Dab-4 -	-
uncommon	Dab-7 -	-
uncommon	Dab-8 -	-
stereo	Phe-5 -	D

SEQ 1 TXXXFLXXT

RELATED SEQUENCES AVAILABLE WITH SEQLINK

DR 126963-95-9, 108203-19-6

MF C43 H74 N14 O11

CI COM

LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT,
 CAPLUS, CASREACT, DDFU, DRUGU, EMBASE, IPA, MEDLINE, PROUSDDR,
 TOXCENTER, USPATFULL

DT.CA Caplus document type: Conference; Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP
 (Properties); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
 study); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP
 (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological
 study); FORM (Formation, nonpreparative); PROC (Process); PRP
 (Properties); RACT (Reactant or reagent); USES (Uses)

Absolute stereochemistry. Rotation (-).

Search done by Noble Jarrell

80 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
80 REFERENCES IN FILE CAPLUS (1907 TO DATE)

type	----- location -----	description
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Search done by Noble Jarrell

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L40 ANSWER 89 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 8068-28-8 REGISTRY
CN Colistimethate sodium (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Colistinmethanesulfonic acid (6CI)
OTHER NAMES:
CN Colimycin M
CN Colimycin sodium methanesulfonate
CN Colistimethate
CN Colistin sodium methanesulfonate
CN Colistin sulfomethate
CN Colistin sulfomethate sodium
CN Colistin, methyl sulfate, sodium salt
CN Colistinat
CN Coly-Mycin injectable
CN Colymycin M
CN Sodium colistimethate
CN Sodium colistinmethanesulfonate
CN W 1929
AR 3061-80-1, 27010-23-7
DR 12676-33-4, 12768-67-1, 8068-37-9, 11033-40-2, 11048-71-8, 1867-68-1,
21362-08-3, 2680-63-9, 37196-55-7, 155704-91-9
ENTE Generic name for a pharmaceutical preparation It is a sulfomethyl
derivative of colistin in which four sulfomethyl groups are attached to
four of the five free side chain amino groups. Since colistin is a mixture
of at least three components (A,B and C), this pharmaceutical preparation
is a mixture of the sulfomethyl derivatives of each component.
MF Unspecified
CI COM, MAN
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS,
BIOTECHNO, CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHEM, DIOGENES,
EMBASE, IPA, MRCK*, MSDS-OHS, PHAR, PS, RTECS*, TOXCENTER, USAN, USPAT2,
USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA Caplus document type: Conference; Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC
(Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
study); PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP
(Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in
record)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

219 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
219 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L40 ANSWER 90 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
RN 7239-48-7 REGISTRY
CN Polymyxin E2 (7CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,4,7,10,13,16,19-Heptaazacyclotricosane, cyclic peptide deriv.
CN Colistin B (8CI)
OTHER NAMES:
CN Colistin I

CN L-Threonine, N2-(6-methyl-1-oxoheptyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-leucyl-L-leucyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-, cyclic (10→4)-peptide

CN N2-(6-Methyl-1-oxoheptyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-leucyl-L-leucyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-threonine cyclic (10→4)-peptide

FS PROTEIN SEQUENCE

SQL 10

NTE modified (modifications unspecified)

type	-----	location	-----	description
bridge	Dab-4	-	Thr-10	lactam
uncommon	Dab-1	-	-	-
uncommon	Dab-3	-	-	-
uncommon	Dab-4	-	-	-
uncommon	Dab-5	-	-	-
uncommon	Dab-8	-	-	-
uncommon	Dab-9	-	-	-

SEQ 1 XTXXXXLLXT

****RELATED SEQUENCES AVAILABLE WITH SEQLINK****

MF C52 H98 N16 O13

LC STN Files: ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, EMBASE, IPA, TOXCENTER, USPATFULL

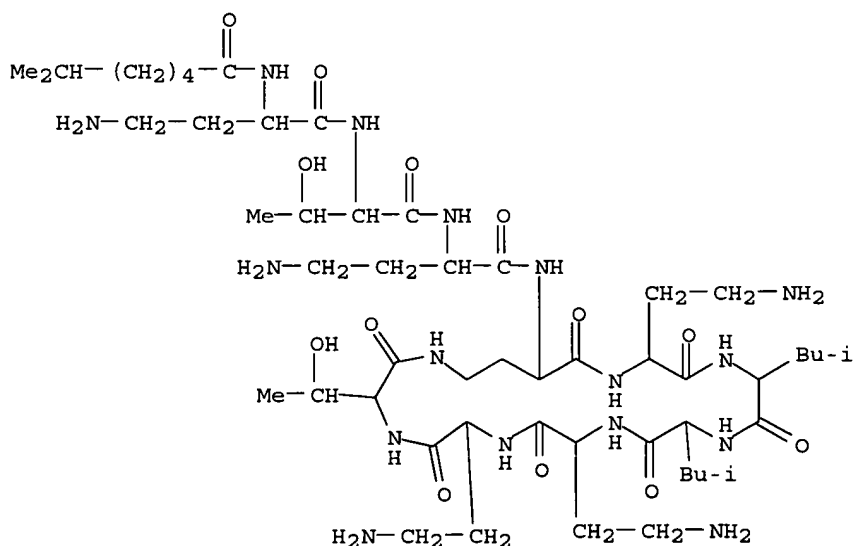
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DT.CA Caplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses); NORL (No role in record)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

40 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 40 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L40 ANSWER 91 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN

RN 6683-17-6 REGISTRY

CN Polymyxin M1 (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Polymyxin E1, 7-L-threonine-

OTHER NAMES:

CN L-Threonine, N2-(6-methyl-1-oxooctyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-leucyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-, cyclic (10→4)-peptide

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 10

NTE modified (modifications unspecified)

type	location	description
bridge	Dab-4 - Thr-10	lactam
uncommon	Dab-1 -	-
uncommon	Dab-3 -	-
uncommon	Dab-4 -	-
uncommon	Dab-5 -	-
uncommon	Dab-8 -	-
uncommon	Dab-9 -	-
stereo	Leu-6 -	D

SEQ 1 XTXXLTXXT

RELATED SEQUENCES AVAILABLE WITH SEQLINK

DR 807261-66-1, 687977-48-6, 11005-17-7, 11016-30-1, 17670-07-4

MF C51 H96 N16 O14

CI COM

LC STN Files: BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, DDFU, DRUGU, EMBASE, RTECS*, TOXCENTER

(*File contains numerically searchable property data)

DT.CA CAplus document type: Conference; Dissertation; Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: USES (Uses)

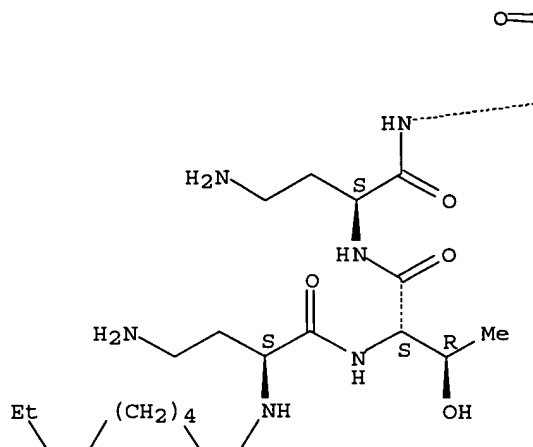
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PREP (Preparation)

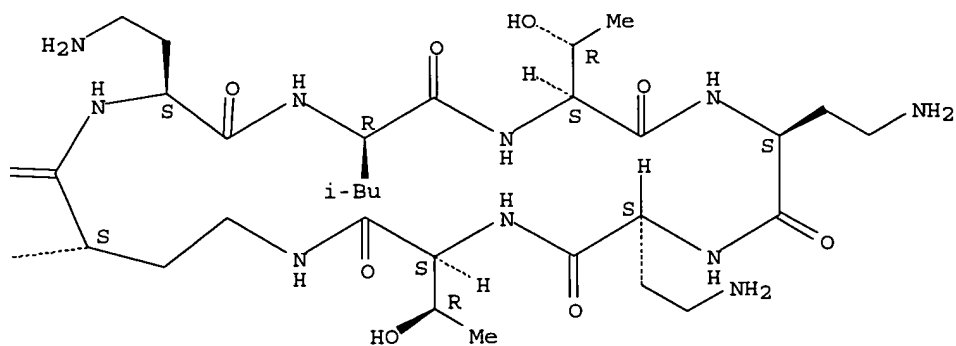
Absolute stereochemistry.

Currently available stereo shown.

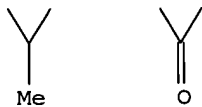
PAGE 1-A



PAGE 1-B



PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

207 REFERENCES IN FILE CA (1907 TO DATE)
 15 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 207 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L40 ANSWER 92 OF 92 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 4135-11-9 REGISTRY

Search done by Noble Jarrell

CN Polymyxin B1 (7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,4,7,10,13,16,19-Heptaazacyclotricosane, cyclic peptide deriv.

OTHER NAMES:

CN L-Threonine, N2-(6-methyl-1-oxooctyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-phenylalanyl-L-leucyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-, cyclic (10→4)-peptide

CN N2-(6-Methyl-1-oxooctyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-phenylalanyl-L-leucyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-threonine cyclic (10→4)-peptide

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 10

NTE modified (modifications unspecified)

type	location	description
bridge	Dab-4 - Thr-10	lactam
uncommon	Dab-1	-
uncommon	Dab-3	-
uncommon	Dab-4	-
uncommon	Dab-5	-
uncommon	Dab-8	-
uncommon	Dab-9	-
stereo	Phe-6	D

SEQ 1 XTXXXFLXXT

RELATED SEQUENCES AVAILABLE WITH SEQLINK

DR 109799-79-3, 4696-62-2

MF C56 H98 N16 O13

CI COM

LC STN Files: ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, DDFU, DRUGU, EMBASE, IPA, MEDLINE, MRCK*, RTECS*, TOXCENTER, USPATFULL (*File contains numerically searchable property data)

DT.CA Cplus document type: Journal; Patent

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PROC (Process); USES (Uses)

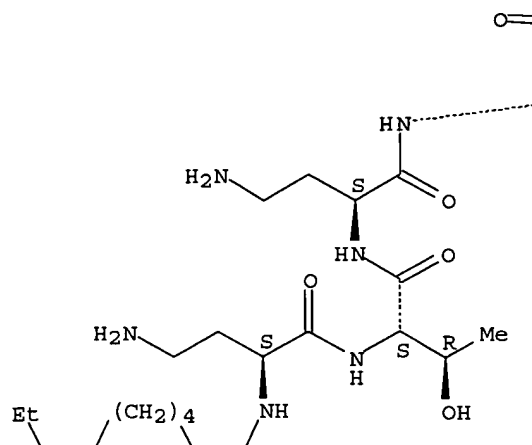
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

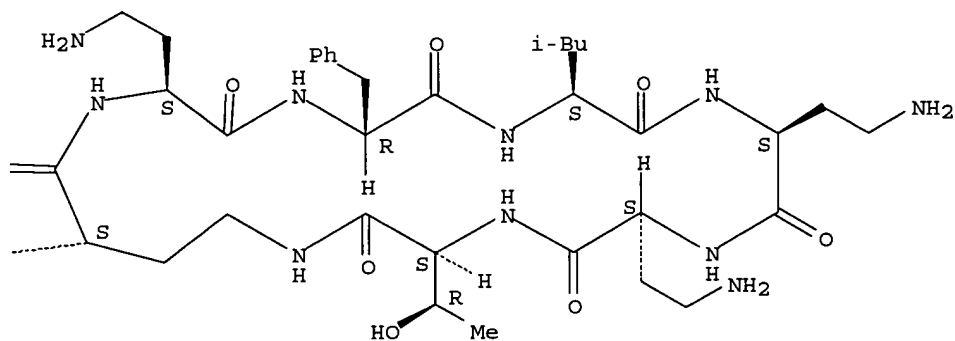
RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PREP (Preparation)

Absolute stereochemistry.

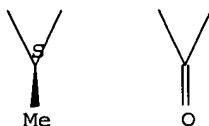
PAGE 1-A



PAGE 1-B



PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

67 REFERENCES IN FILE CA (1907 TO DATE)
 6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 67 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

Search done by Noble Jarrell

=> b hcao

FILE 'HCAOLD' ENTERED AT 10:34:08 ON 26 SEP 2005
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PRE-1967 CHEMICAL ABSTRACTS FILE WITH HOUR-BASED PRICING
FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d all 127 tot

L27 ANSWER 1 OF 2 HCAOLD COPYRIGHT 2005 ACS on STN
AN CA65:15167d CAOLD
TI Radioactive Pharmaceuticals (book)
AU Andrews, Gould A.; Kniseley, R. M.; Wagner, H. N., Jr.
DT Book
TI antibiotic and sulfonamide oral prepsns.
PA Instituto de Biologia y Sueroterapia S.A.
DT Patent
PATENT NO. KIND DATE

PI ES 308870 <--
IT 57-68-1 68-35-9 85-73-4 94-19-9 116-43-8 122-11-2
126-07-8 127-69-5 127-79-7 131-69-1 297-95-0 303-81-1
3922-90-5 4696-62-2 7803-58-9

L27 ANSWER 2 OF 2 HCAOLD COPYRIGHT 2005 ACS on STN
AN CA64:17710f CAOLD
TI vasopressin analogs
PA Ceskoslovenska Akademie Ved
DT Patent
PATENT NO. KIND DATE

PI NL 6507943 <--
BE 665612 <--
IT 1234-35-1 5364-52-3 5364-53-4 5364-56-7 5364-58-9
5364-62-5 5364-64-7 5364-66-9 5364-68-1 5364-71-6
5508-77-0 5508-81-6 5591-81-1 5687-27-4 5687-58-1 5687-59-2
5995-52-8 5995-58-4 6036-96-0 6056-56-0 6056-57-1 6382-93-0
6667-83-0 6675-82-7 7691-73-8 96955-44-1

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 25 SEP 2005 HIGHEST RN 863878-84-6

Search done by Noble Jarrell

DICTIONARY FILE UPDATES: 25 SEP 2005 HIGHEST RN 863878-84-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

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*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
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Structure search iteration limits have been increased. See HELP SLIMITS
for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

L28 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN

RN 6675-82-7 REGISTRY

CN Glycinamide, S-benzyl-N-(p-tolylsulfonyl)-L-cysteinyl-L-tyrosyl-L-
phenylalanyl-L-glutamyl-L-asparagyl-L-cysteinyl-L-prolyl-
N γ -(p-tolylsulfonyl)-D- α , γ -diaminobutyryl- (8CI) (CA
INDEX NAME)

OTHER CA INDEX NAMES:

CN Glycinamide, S-benzyl-N-p-tolylsulfonyl-L-cysteinyl-L-tyrosyl-L-
phenylalanyl-L-glutamyl-L-asparagyl-L-cysteinyl-L-prolyl-
N γ -p-tolylsulfonyl-D- α , γ -diaminobutyryl- (7CI)

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 9

NTE modified

type	location		description
terminal mod.	Gly-9	-	C-terminal amide
uncommon	Dab-8	-	-
modification	Cys-1	-	(4-methylphenyl)sulfonyl<Tos>
modification	Cys-1	-	phenylmethyl<Bzl>
modification	Cys-6	-	phenylmethyl<Bzl>
modification	Dab-8	-	(4-methylphenyl)sulfonyl<Tos>

SEQ 1 CYFQNCPIXG

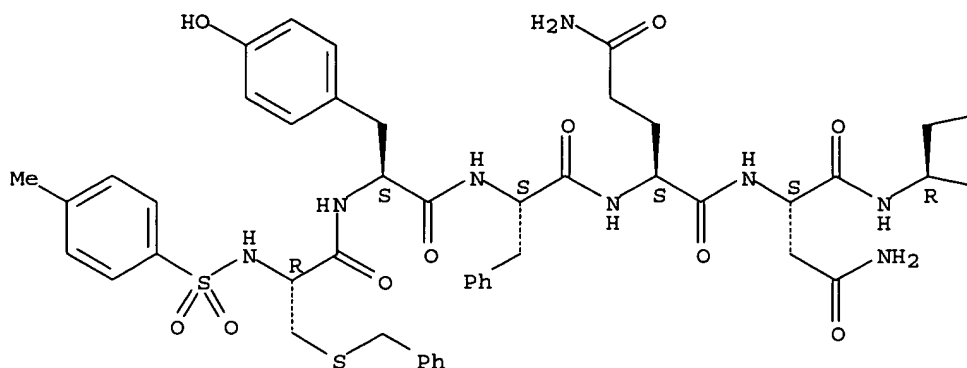
RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C72 H87 N13 O16 S4

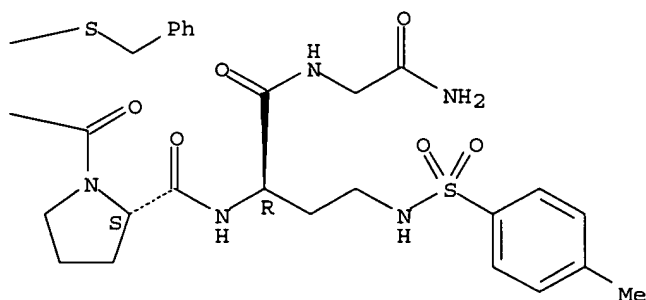
LC STN Files: BEILSTEIN*, CAOLD
(*File contains numerically searchable property data)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L28 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN

RN 5364-71-6 REGISTRY

CN Vasopressin, 8-(D-2,4-diaminobutanoic acid)-, diacetate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,2-Dithia-5,8,11,14,17-pentaazacycloeicosane, cyclic peptide deriv.

CN Vasopressin, 8-(D-2,4-diaminobutyric acid), diacetate (7CI)

CN Vasopressin, 8-(D-2,4-diaminobutyric acid)-, diacetate (salt) (8CI)

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 9

NTE modified

type	location	description
terminal mod.	Gly-9	C-terminal amide
bridge	Cys-1 - Cys-6	disulfide bridge
uncommon	Dab-8	-
modification	-	undetermined modification

SEQ 1 CYFQNCPIXG

Search done by Noble Jarrell

RELATED SEQUENCES AVAILABLE WITH SEQLINK

MF C44 H61 N13 O12 S2 . 2 C2 H4 O2

LC STN Files: CAOLD

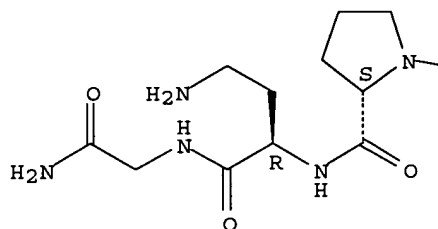
CM 1

CRN 5364-58-9

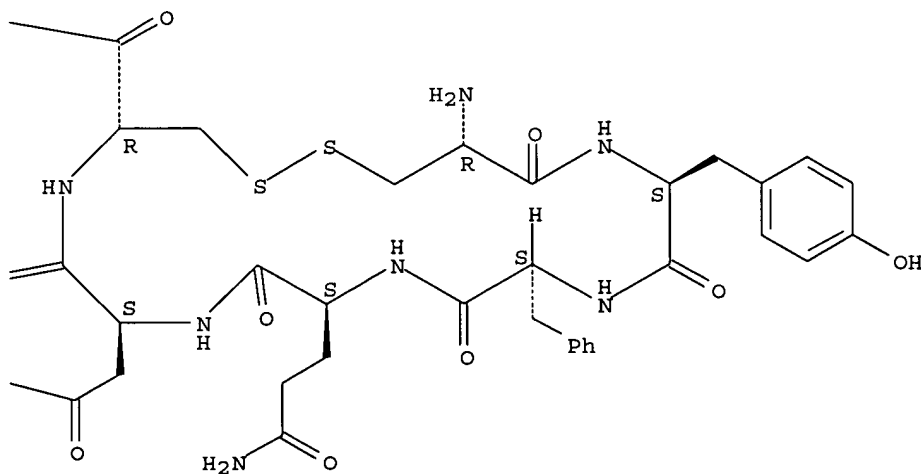
CMF C44 H61 N13 O12 S2

Absolute stereochemistry.

PAGE 1-A



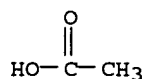
PAGE 1-B



CM 2

CRN 64-19-7

CMF C2 H4 O2



2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L28 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 5364-58-9 REGISTRY
 CN Vasopressin, 8-(D-2,4-diaminobutanoic acid)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1,2-Dithia-5,8,11,14,17-pentaazacycloeicosane, cyclic peptide deriv.
 CN Vasopressin, 8-(D-2,4-diaminobutyric acid)- (7CI, 8CI)
 OTHER NAMES:
 CN D-Dab8-vasopressin
 FS PROTEIN SEQUENCE; STEREOSEARCH
 SQL 9
 NTE modified

type	location	description
terminal mod.	Gly-9	C-terminal amide
bridge	Cys-1 - Cys-6	disulfide bridge
uncommon	Dab-8	-

SEQ 1 CYFQNCPIXG

RELATED SEQUENCES AVAILABLE WITH SEQLINK

DR 31025-40-8

MF C44 H61 N13 O12 S2

CI COM

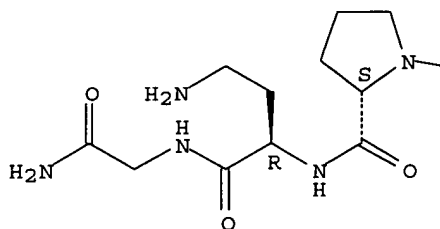
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
 (*File contains numerically searchable property data)

DT.CA CAplus document type: Conference; Journal

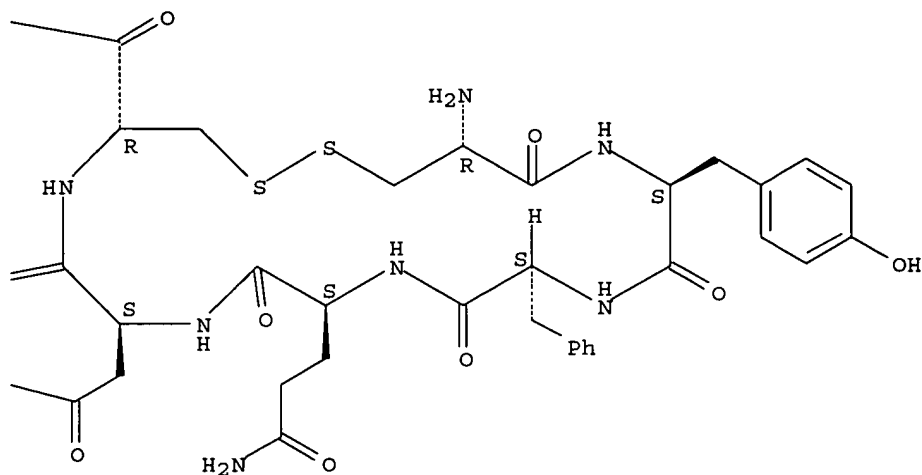
RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties); RACT
 (Reactant or reagent)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
 5 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L28 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2005 ACS on STN

RN 4135-11-9 REGISTRY

CN Polymyxin B1 (7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,4,7,10,13,16,19-Heptaazacyclotricosane, cyclic peptide deriv.

OTHER NAMES:

CN L-Threonine, N2-(6-methyl-1-oxooctyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-phenylalanyl-L-leucyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-, cyclic (10→4)-peptide

CN N2-(6-Methyl-1-oxooctyl)-L-2,4-diaminobutanoyl-L-threonyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-D-phenylalanyl-L-leucyl-L-2,4-diaminobutanoyl-L-2,4-diaminobutanoyl-L-threonine cyclic (10→4)-peptide

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 10

NTE modified (modifications unspecified)

type	----- location -----		description
bridge	Dab-4	- Thr-10	lactam
uncommon	Dab-1	-	-
uncommon	Dab-3	-	-
uncommon	Dab-4	-	-
uncommon	Dab-5	-	-
uncommon	Dab-8	-	-
uncommon	Dab-9	-	-
stereo	Phe-6	-	D

SEQ 1 XTXXXFLXXT

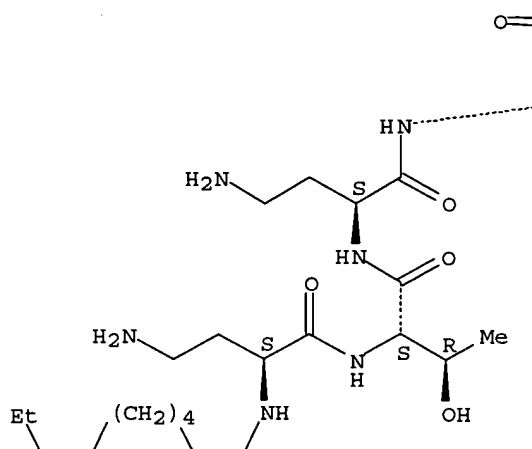
RELATED SEQUENCES AVAILABLE WITH SEQLINK

DR 109799-79-3, 4696-62-2

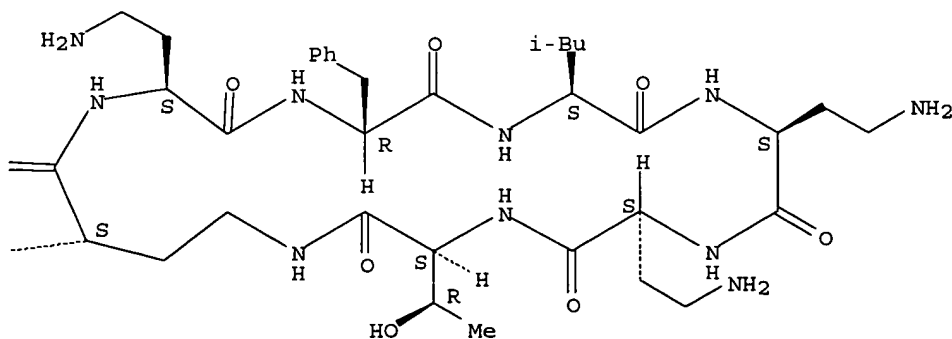
Search done by Noble Jarrell

Absolute stereochemistry.

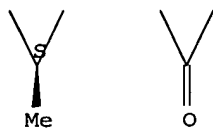
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PAGE 1-B



PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

67 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
67 REFERENCES IN FILE CAPLUS (1907 TO DATE)
9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> b home

FILE 'HOME' ENTERED AT 10:34:34 ON 26 SEP 2005

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